TOSHIBA

Leading Innovation

19DL833B
22DL833B

DIGITAL Series

SUPPORT

PLEASE VISIT:
WWW.TOSHIBA.CO.UK/TV-DVD-SUPPORT

OR CONTACT THE TOSHIBA CUSTOMER HELPLINE ON 0844 858 0730

OWNER'S MANUAL

TOSHIBA
Leading Innovation

User Manual

DIGITAL Series

This standard user's manual is designed to show you how to connect and tune in your Toshiba TV and to operate the most commonly used functions.

If you want to view advanced functions for your TV you can do so by visiting

www.toshiba-om.net

Toshiba estimates that the initiative of making the advanced functions availabe online rather than in this book will save over 25,000 trees per yer (1.6 Million kg CO_2).

If you wish to view the advanced functions but do not have access to a computer or the internet then please contact your local owner's manual Helpline number. Contact details are shown at the back of this book.

Digital Switchover

When does switchover happen?

The exact date you switch depends on the transmitter you are served by. To check when you switch, go to Digital UK's postcode checker on www.digitaluk.co.uk

Check your ITV news service or look at Teletext page 106 to see what TV region you're in.

Keep this important information about how to re-tune your TV during the digital TV switchover

get set for digital

Television in the UK is going digital, bringing us all more choice and new services. Starting in late 2007 and ending in 2012, television services in the UK will go completely digital, TV region by TV region.

Please see above to find out when your area switches to digital. Digital UK is the independent, non-profit organisation leading the process of digital TV switchover in the UK.

Digital UK provides impartial information on what people need to do to prepare for the move to digital, and when they need to do it.

How the switchover affects your TV equipment:

Your new TV has a digital tuner built in, which means it is ready to receive the Freeview signal by simply plugging it into your aerial socket (check if you can get digital TV through your aerial now, or whether you'll have to wait until switchover, at www.digitaluk.co.uk).

When the TV switchover happens in your area, there are at least two occasions when you will need to re-tune your TV in order to continue receiving your existing TV channels, and also to pick up new ones, Digital UK, the body leading the digital TV switchover, will advise you when you need to re-tune during the switchover.

If you choose to connect your TV to satellite or cable with a digital box then it will not be affected by switchover, and you won't need to re-tune. Keep this important information about how to re-tune your TV during the digitalTV switchover

How to re-tune:

As new services are broadcast it will be necessary to re-tune the television in order to view them. Auto tuning will completely retune the television and can be used to update the channel list.

Press **MENU** button on the remote control unit.

Select **Install and Retune** option and then select **Automatic channel scan (Retune)**.

A screen will appear warning that previous digital programmes and settings will be deleted.

You must allow the television to complete the search...

When the search is complete the Auto tuning screen will display the total number of service found.

NOTE: Further detailed instructions on Auto tuning can be found in the TV owners manual.

If you are missing channels, it may be that they are not available in your area, or that your aerial needs upgrading.

If you have any further questions, please contact your equipment supplier or call Digital UK on 08456 50 50 50 or visit www.digitaluk.co.uk

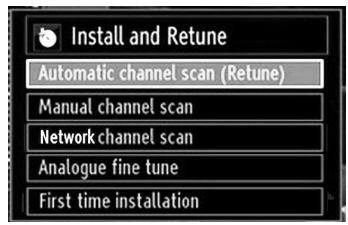
Re-tuning: TOSHIBA Freeview Products

Toshiba Digital TV

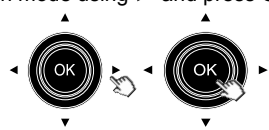
This guide can be used to help you re-tune the following product with the remote control below.

Make sure your TV is on and press 80 for the BBC News channel

1) Press **MENU** and press ◄ or ► to select **Install and Retune** and press **OK**. Press ▲ or ▼ to select **Automatic channel scan (Retune)** to start the process.



2) Select the desired search mode using ► and press **OK** button.



3) Whenever you select an automatic search type and press **OK** button, a confirmation screen will appear on the screen. To start installation process, select **Yes** by using ◄ or ► and **OK** button.

4) After auto channel scan type is set and selected and confirmed, installation process will start and progress bar will move along. The television will start to search for all available stations. You must allow the television to complete the search.

Automatic channel scan (Retune)
Please wait. This will take a few minutes. Scanning digital channel: UHF 30
MENU Cancel scan

** This process may affect any saved information stored on your product, including your favourites list. Please consult your instruction manual or contact the manufacturer using the details above.*

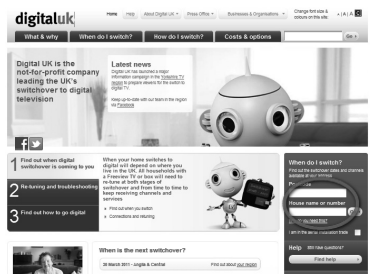
Your guide to

Manual re-tuning

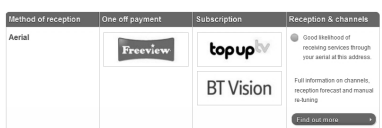
If you are comfortable with technical information and your basic re-tune hasn't worked, you can use this manual re-tune guide.

If your Freeview TV or box picks up a different regional service to your preferred service (e.g. BBC England instead of BBC Scotland, or ITV Central instead of ITV Anglia), you can use this manual re-tune If you are missing some services you may find they have moved to channel 800 or above, this guide will help you put them in your preferred position. If you find manual re-tuning too difficult, contact your local electrical retailer or installer. This is a guide only, Freeview models operate slightly differently. Some early models do not oer a manual re-tune facility – check your instruction book. Please note: Every time you re-tune, you will need to go through this process.

1) Go to the Postcode Checker at digitaluk.co.uk Enter your postcode on the right hand side of the web page. Remember to include your house number or name. If you do not have internet access, contact the Digital UK helpline on 08456 50 50 50* and ask for manual re-tune guide support.


digitaluk
What & why
When do I switch?
How do I switch?
Costs & options
Digital UK is the not-for-profit company leading the UK's switchover to digital television
Latest news
When do I switch?
House name or number
Find help
When is the next switchover?

2) Once you have entered your address details, the next page gives you an indication of which TV services you should receive, based on your most likely transmitter. You may be able to receive television services from more than one transmitter and you can check alternatives, where available. On the results page click on the pink button to see your full reception forecast and channel information for switchover.



3) Click on the How do I re-tune? pink banner. Scroll down to the manual re-tune table where you will see the relevant "RF Channel" numbers for the digital services that can be received at your home.**

Today
During
Final step
19 Jan 2011
Aug 2011
7 Sep 2011 Switchover stage 1
21 Sep 2011 Switchover stage 2
No re-tune required
No re-tune required
Re-tune required at switchover stage 1
Re-tune required at switchover stage 2
Group 1 ch 52 ch 52 ch 47 ch 47
Group 2 ch 48 ch 48 ch 48 ch 44
Group 3 ch 46 ch 46 ch 46 Not available
Group 4 ch 43 ch 43 ch 52 ch 51
Group 5 ch 50 ch 50 ch 50 ch 52

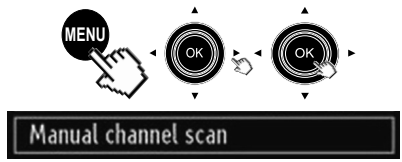
**Calls are free for BT customers within inclusive calling plans. Call charges from other providers may vary. The standard business hours for Digital UK's contact centre are 9am to 7pm Monday to Friday and 10am to 4pm on a Saturday. Opening hours will be extended during switchover in each area. Digital UK, PO Box 26833, Kirkcaldy,KY2 9AG . **Please note that the Freeview channel line-up is subject to change.*

4) Write down the “RF Channel” numbers for your transmitter using the Group boxes here:

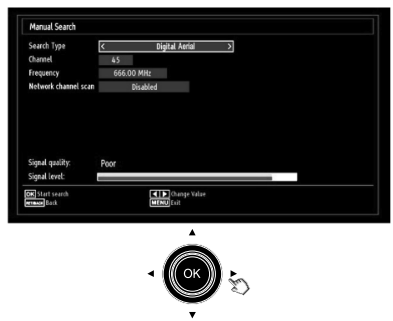
Group 1		Group 4	
Group 2		Group 5	
Group 3		Group 6	

5) Press **MENU** and use ◄ or ► to select **Install and Retune**.

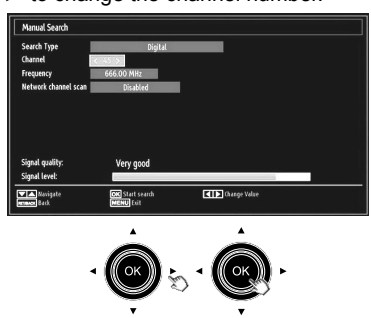
6) Select **Manual Channel Scan** from the Installation menu and press OK.



7) Select **Search Type** as **Digital Aerial** by using ◄ or ►.



8) Select **Channel** and use ◄ or ► to change the channel number.



9) Press **OK** to start search.

10) Press **MENU** button. You should find that you now have your preferred service installed.

If you need any more help, contact your retailer, installer, manufacturer or the Digital UK helpline on 08456 50 50 50 *

digitaluk

Contents

Digital Switchover 2
Re-tuning: TOSHIBA Freeview Products 3
Manual Re-tuning 4
Safety Precautions 7
- Air Circulation 7
- Heat Damage 7
- Mains Supply 7
- Warning 7
- Do 7
- Do not 7

Installation and Important Information 8
- EXCLUSION CLAUSE 8

Important safety information 9
- Removing the pedestal stand 11

The Remote Control 12
- Inserting Batteries and Effective Range of the Remote Control 12

Connecting External Equipment 13
Connecting an HDMI® or DVI Device to the HDMI Input 14
- To Connect an HDMI Device 14
- To Connect a DVI Device 14

Connecting a Computer 15
- To Connect a Computer 15

Connecting a USB Memory 15
- Connect a USB Memory 15
- USB Memory Connection 15

Power Save Mode 16
- Environmental Information 16

Controlling the TV 17
- Switching on 17
- Using the Remote Control 17
- Using the Controls and Connections on the TV 17

Initial Installation 18
Basic Operations 19
- Stereo and Bilingual Transmissions 19
- Displaying Subtitles 19
- Viewing Main Menu 19
- Controlling Volume and Muting Sound 19
- Selecting Programme Positions 19

General Operation 20
- Viewing Channel List 20
- Viewing Info Banner 20

Electronic Programme Guide (EPG), Input Selection 21
- Electronic Programme Guide 21
- Input Selection 21

Features in Brief 22
- Language Settings 22
- Menu Lock 22
- Maturity Lock (*) 22
- Child Lock 22
- Picture Mode 22
- Contrast 22
- Brightness 22
- Sharpness 22
- Colour 22
- Colour Shift 22
- Colour Temp 22
- Noise Reduction 22
- Picture Zoom 22
- Reset 22
- PC Picture Settings (*) 23
- Volume 23
- Equalizer 23
- Balance 23
- Headphone 23
- AVL 23
- Dynamic Bass 23
- Digital Out 23
- Conditional Access 23
- Parental 23
- Timers 23
- Date/Time Settings 23
- Sources 23
- Other Settings 24
- Menu Timeout 24
- Scan Encrypted 24
- Backlight 24
- Power Save Mode 24
- Blue Background 24
- Software Upgrade 24
- Hard Of Hearing 24
- Audio Description 24
- Auto TV Off 24
- Broadcast Type 25
- Standby Search (*) 25
- Full Mode (optional) 25
- Teletext language 25
- HDMI True Black 25

USB Media Browser 25
- Manual Start 25
- Auto Start 25
- Playing MP3 Files 26
- Viewing JPEG Files 26
- Slideshow Feature 26
- Video Playback 26
- Media Browser Settings 27
- To Close the Media Player 27

Changing Picture Format 28
Appendix A: PC Input Typical Display Modes 29
Appendix B: AV and HDMI Signal Compatibility (Input Signal Types) 30
Appendix C: Supported File Formats for USB Mode 31
Appendix D: PIN Information 31
Specifications and Accessories 32
License Information 33
Questions and Answers 34

Safety Precautions

This equipment has been designed and manufactured to meet international safety standards but, like any electrical equipment, care must be taken to obtain the best results and for safety to be assured. Please read the points below for your own safety. They are of a general nature, intended to help with all electronic consumer products and some points may not apply to the goods you have just purchased.

Air Circulation

Leave more than 10cm clearance around the television to allow adequate ventilation. This will prevent overheating and possible damage to the television. Dusty places should also be avoided.

Heat Damage

Damage may occur if the television is left in direct sunlight or near a heater. Avoid places subject to extremely high temperatures or humidity, or locations where the temperature is likely to fall below 5°C (41°F).

Mains Supply

The set should be operated only from a 220-240 V AC 50 Hz outlet. DO ensure that the television is not standing on the mains lead. DO NOT cut off the mains plug from this equipment, this incorporates a special Radio Interference Filter, the removal of which will impair its performance. In the UK, the fuse fitted in this plug is approved by ASTA or BSI to BS1362. It should only be replaced by a correctly rated and approved type and the fuse cover must be refitted. IF IN DOUBT PLEASE CONSULT A COMPETENT ELECTRICIAN.

Warning

To prevent the spread of fire, keep candles or other open flames away from this product at all times.

Do

DO read the operating instructions before you attempt to use the equipment.

DO ensure that all electrical connections (including the mains plug, extension leads and interconnections between pieces of equipment) are properly made and in accordance with the manufacturers' instructions. Switch off and withdraw the mains plug before making or changing connections.

DO consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment.

DO be careful with glass panels or doors on equipment.

Do not

DON'T remove any fixed cover as this may expose dangerous voltages.

DON'T obstruct the ventilation openings of the equipment with items such as newspapers, tablecloths, curtains, etc. Overheating will cause damage and shorten the life of the equipment.

DON'T allow electrical equipment to be exposed to dripping or splashing or objects filled with liquids, such as vases, to be placed on the equipment.

DON'T place hot objects or naked flame sources, such as lighted candles or nightlights on, or close to equipment. High temperatures can melt plastic and lead to fires.

DON'T use makeshift stands and NEVER fix legs with wood screws. To ensure complete safety, always fit the manufacturers' approved stand, bracket or legs with the fixings provided according to the instructions.

DON'T leave equipment switched on when it is unattended, unless it is specifically stated that it is designed for unattended operation or has a standby mode. Switch off by withdrawing the plug, make sure your family know how to do this. Special arrangements may need to be made for people with disabilities.

DON'T continue to operate the equipment if you are in any doubt about it working normally, or it is damaged in any way - switch off, withdraw the mains plug and consult your dealer.

WARNING - excessive sound pressure from earphones or headphones can cause hearing loss.

ABOVE ALL - NEVER let anyone, especially children, push or hit the screen, push anything into holes, slots or any other openings in the case.

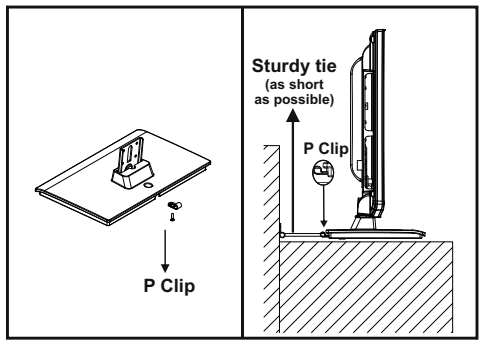
NEVER guess or take chances with electrical equipment of any kind - it is better to be safe than sorry.

THE MAINS PLUG IS USED AS A DISCONNECTING DEVICE AND THEREFORE SHOULD BE READILY OPERABLE.

***Note** : Interactive video games that involve shooting a "gun" type of joystick at the on-screen target may not work with this TV.*

Installation and Important Information

Where to install



** Button and stand style is dependent on model.*

"P" Clip position on TV is dependent on model.

Locate the television away from direct sunlight and strong lights. Soft, indirect lighting is recommended for comfortable viewing. Use curtains or blinds to prevent direct sunlight falling on the screen.

Place the TV on a stable, level surface that can support the weight of the TV. In order to maintain stability and prevent it falling over, secure the TV to a wall using a sturdy tie to the clip on TV. Install the P clip under the stand as shown in the above illustration.

The LCD display panels are manufactured using an extremely high level of precision technology; however, sometimes some parts of the screen may be missing picture elements or have luminous spots. This is not a sign of a malfunction.

Make sure the television is located in a position where it cannot be pushed or hit by objects, as pressure will break or damage the screen. Also, please be certain that small items cannot be inserted into slots or openings in the case.

Cleaning the screen and cabinet…

Turn off the power, and clean the screen and cabinet with a soft, dry cloth. We recommend that you do not use any proprietary polishes or solvents on the screen or cabinet as this may cause damage.

Please take note

The digital reception function of this television is only effective in the countries listed in the "Country" section during the first time installation menu. Depending on country/area, some of this television's functions may not be available. Reception of future additional or modified services can not be guaranteed with this television.

If stationary images generated by 4:3 broadcasts, text services, channel identification logos, computer displays, video games, on screen menus, etc. are left on the television screen for any length of time, they could become conspicuous. It is always advisable to reduce both the brightness and contrast settings.

Very long, continuous use of the 4:3 picture on a 16:9 screen may result in some retention of the image at the 4:3 outlines. This is not a defect of the LCD TV and is not covered under the manufacturer's warranty. Regular use of other size modes will prevent permanent retention.

EXCLUSION CLAUSE

Toshiba shall under no circumstances be liable for loss and/or damage to the product caused by:

i) fire;

ii) earthquake;

iii) accidental damage;

iv) intentional misuse of the product;

v) use of the product in improper conditions;

vi) loss and/or damage caused to the product whilst in the possession of a third party;

vii) any damage or loss caused as a result of the owner's failure and/or neglect to follow the instructions set out in the owner's manual;

viii) any loss or damage caused directly as a result of misuse or malfunction of the product when used simultaneously with associated equipment;

Furthermore, under no circumstances shall Toshiba be liable for any consequential loss and/or damage including but not limited to the following, loss of profit, interruption of business, the loss of recorded data whether caused during normal operation or misuse of the product.

Note: *A Toshiba wall bracket or stand, where available, must be used.*

Important safety information

WHEN THIS UNIT IS PLUGGED INTO THE WALL OUTLET, DO NOT PLACE YOUR EYES CLOSE TO THE OPENINGS TO LOOK INTO THE INSIDE OF THIS UNIT.

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

Headphone Warning

Loud music can damage your hearing irreversibly. Do not set the volume to a high level when listening through headphones, particularly for extended listening periods.

Information for the DVB-T function

• Any function relative to the digital television (with the DVB logo) is available only within the country or area where such signals are transmitted. Verify with the salesperson if it is possible to receive a DVB-T signal in the zone where you live.

• Even if the television conforms to the DVB-T specifications, the compatibility to future digital DVB-T transmissions is not guaranteed.

• Some digital television functions may not be available in some countries.

• The DVB-T system present in this device is FTA (Free to air).

• DVB is a registered trademark of the DVB Project. This logo indicates that the product is compliant with European Digital Broadcasting.

Possible Adverse Effects on LCD Screen

If a fixed (non-moving) pattern remains on the LCD screen for long periods of time, the image can become permanently retained on the LCD TV panel and cause subtle but permanent ghost images. This type of damage is NOT COVERED BY YOUR WARRANTY. Never leave your TV on for long periods of time while it is displaying the following formats or images:

• Fixed Images, such as stock tickers, video game patterns, TV station logos, and websites.

• Special Formats that do not use the entire screen. For example, viewing letterbox style (16:9) media on a normal (4:3) display (Black bars at top and bottom of screen); or viewing normal style (4:3) media on a widescreen (16:9) display (Black bars on left and right sides of screen).

IMPORTANT INFORMATION

TV Installation

If a television is not positioned in a sufficiently stable location, it can be potentially hazardous due to falling. Many injuries, particularly to children, can be avoided by taking simple precautions such as:

• Using stands recommended by the manufacturer of the television.

• Only using furniture that can safely support the television.

• Ensuring the television is not overhanging the edge of the supporting furniture.

• Not placing the television on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the television to a suitable support.

• Not standing the television on cloth or other materials placed between the television and supporting furniture.

• Educating children about the dangers of climbing on furniture to reach the television or its controls.

Place the TV on a stable, level surface that can support the weight of the TV. In order to maintain stability and prevent it from falling over, secure the TV to a wall using a sturdy tie to the clip on the back of the table top stand.

This unit has been produced according to all current safety regulations. The following safety tips should safeguard users against careless use and the dangers related to such use.

• Although this unit has been carefully manufactured and rigorously checked prior to leaving the factory as with all electrical appliances, it is possible for problems to develop. If you notice smoke, an excessive build-up of heat or any other unexpected phenomena, you should disconnect the plug from the mains power socket immediately.

• Ensure that the unit is sufficiently ventilated! Never place it next to or underneath curtains!

• This set should only be connected to a 220-240V AC 50Hz mains power supply. Do not attempt to connect it to any other type of supply.

• The socket outlet must be installed near the equipment and is easily accessible.

• Do not open this unit. An attempt to repair the unit by a non-expert could be dangerous and potentially cause a fire hazard. All repairs must be carried out by qualified service personnel only.

• Keep away from rodents. Rodents (and also cockatiels) enjoy biting electric flexes. They can cause a short circuit (fire hazard!) and receive a fatal electric shock.

• Always hold the plug when disconnecting the unit from the socket outlet. Do not pull on flex. The flex can become overloaded and cause a short circuit.

• Use a soft, dry cloth to clean the unit.

• Set up unit so that no one will trip over the flex.

• This unit is recommended to be installed on shock-free benches in order to avoid any danger from falling.

• Take note that toddlers can pull the unit down from a table or cupboard by means of its flex. Children can hurt themselves when doing this.

• Do not use the unit near heat sources. The casing and flex could be damaged by the intensity of the heat.

• The screen is made of glass and can break if damage is done to it. Be careful when collecting sharp edged glass splitters.

• If you intend to wall mount the unit, contact the shop where you purchased the unit for advice, and leave the installation work to professionals. Improper installation can cause damage and/or injuries.

• When installing the set on a wall, allow at least 10 cm clearance between the rear of the set and the wall. Clearance of less than 10 cm will obstruct the vents and cause overheating to the interior of the set, resulting in faults or damage to the set.

• Taking fall-prevention measures

- If these measures are not taken, the unit can fall and cause damage and/or injuries.

- Contact the shop where you purchased the unit to obtain full details of the measures.

• When a TV stand is used,

- Ensure the unit is fully on the stand and placed in the centre.

- Do not leave the stand doors open. You could be hurt as a result of the unit falling or breaking, or your fingers being caught or jammed. Take extra precautions if you have children.

• Avoid placing the unit on any surfaces that may be subject to vibrations or shocks.

• To protect the unit during a thunder storm, unplug the AC power cord and disconnect the aerial.

Caution: Do not touch the aerial connector.

• When you leave your home for a long period of time, unplug the AC power cord for safety.

• The unit becomes warm when in operation. Do not place any covers or blankets on the unit in order to prevent overheating.

The ventilation holes should not be blocked. Do not set up near radiators. Do not place in direct sunshine.

• When placing on a shelf, allow at least 10 cm clearance space around the whole unit.

• The unit shall not be exposed to dripping or splashing, and no objects filled with liquids, such as vases, shall be placed on the apparatus.

• Liquids spilled into the unit can cause serious damage. Switch the set off and disconnect the mains power supply, then consult a qualified service person before attempting to use the unit again.

• Moisture condensation occurs, for example, when you pour a cold drink into a glass on a warm day and drops of water form on the outside of the glass. In the same way, moisture may condense on this unit's internal optical pick-up lens, one of the most crucial internal parts of the unit.

• Moisture condensation occurs in the following situations:

- When you move the unit from a cold place to a warm place.

- When you use the unit in a room where the heater was just turned on.

- When you use the unit in an area where cold air from an air conditioner directly hits the unit.

- When you use the unit in a humid place.

• Never use the unit when moisture condensation may occur.

• Using the unit when moisture condensation exists may damage its own internal parts and discs. Connect the power cord of the unit to the wall outlet, turn on the unit, remove the disc, and leave it for two or three hours. After two or three hours, the unit will warm up and moisture will be evaporated. Leaving the TV connected to the wall outlet will help prevent moisture condensation in the unit.

• Never place hot objects or open flame sources, such as lighted candles or night lights, on or close to the TV. High temperatures can melt plastic and lead to fires.

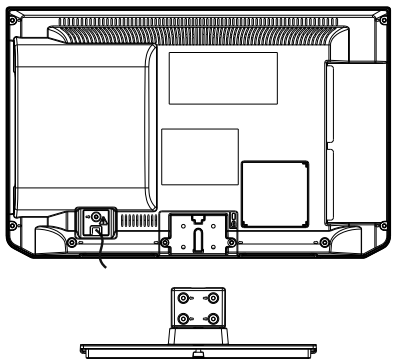
Removing the pedestal stand

(1) Carefully lay the front of the TV face down on a flat, cushioned surface such as a quilt or blanket. Leave the stand protruding over the edge of the surface.

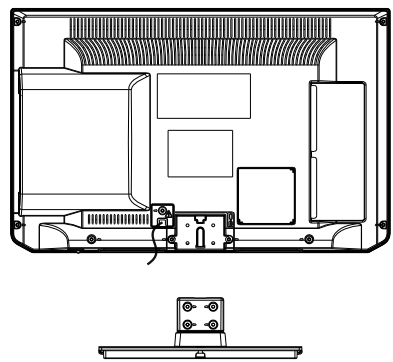
Note: Extreme care should always be taken when removing the pedestal stand to avoid damage to the LCD panel.

(2) Remove the four screws on the stand. This will allow removal of the pedestal stand.

(3) Once you have removed four screws holding the pedestal stand in place, remove the pedestal stand from the TV by removing away from the TV.



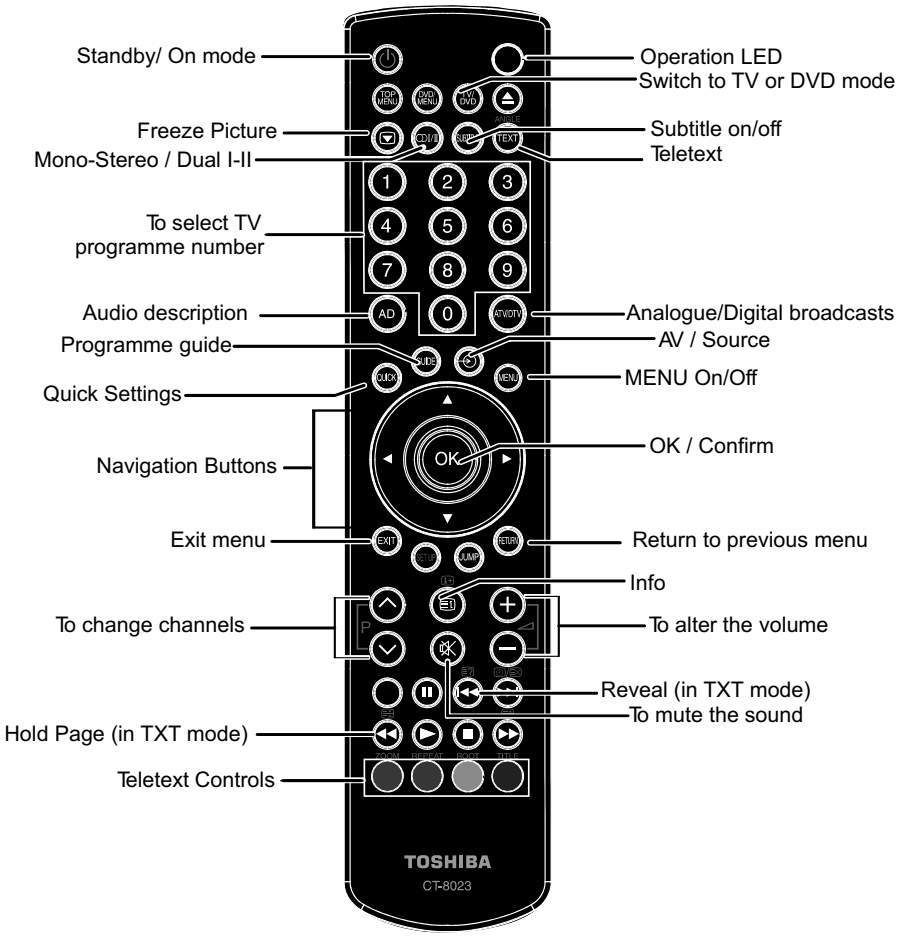
*For 19DL833 model



* For 22DL833 model

The Remote Control

Simple at-a-glance reference of your remote control.



Note: Buttons that are not indicated on the remote control illustration are not functional in TV mode.

Inserting Batteries and Effective Range of the Remote Control

Remove the back cover to reveal the battery compartment and make sure the batteries are inserted the right way round. Suitable battery types for this remote are AAA, IEC R03 1.5V.

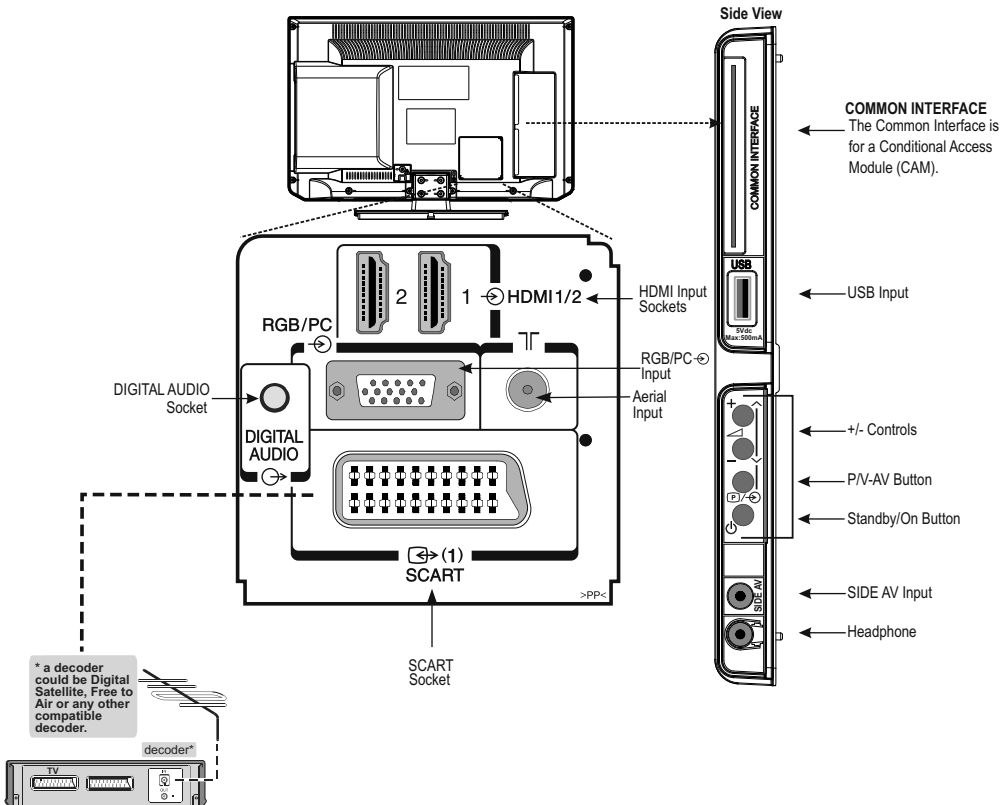
Do not combine a used, old battery with a new one or mix battery types. Remove dead batteries immediately to prevent acid from leaking into the battery compartment. Dispose of them in a designated disposal area.

Warning: Batteries must not be exposed to excessive heat such as sunshine, fire or the like.

The performance of the remote control will deteriorate beyond a distance of five metres or outside an angle of 30 degrees from the centre of the television. If the operating range becomes reduced the batteries may need replacing.

Connecting External Equipment

Before connecting any external equipment, remove the mains plug from the wall socket.



Aerial cable:.....

Connect the aerial to the ANT. socket on the rear of the TV.

SCART lead:.....

If you use a **decoder*** or a **media recorder**, it is essential that the scart cable is connected to the TV.

Before running **first time installation**, any connected devices need to be set to standby mode.

The DIGITAL AUDIO socket enables the connection of a suitable surround sound system.

HDMI® (High-Definition Multimedia Interface) is for using with a DVD decoder or other equipment with digital audio and video output. It is designed for best performance with 1080i and 1080p high-definition video signals but will also accept and display VGA, 480i, 480p, 576i, 576p and 720p signals. PC format signals will also be displayed.

NOTE: Although this TV is able to connect to HDMI equipment, it is possible that some equipment may not operate correctly.

A wide variety of external equipment can be connected to the TV; therefore, the relevant owner's manuals for all additional equipment must be referred to for exact instructions.

If the TV automatically switches over to monitor external equipment, return to normal TV by pressing the desired programme position button. To recall external equipment, press ⊕ button repeatedly to switch between sources.

Regardless of source's property, audio output from the DIGITAL AUDIO socket cannot be copied.

Connecting an HDMI® or DVI Device to the HDMI Input

The HDMI input on your TV receives digital audio and uncompressed digital video from an HDMI source device or uncompressed digital video from a DVI (Digital Visual Interface) source device.

This input is designed to accept HDCP (High-Bandwidth Digital-Content Protection) programme material in digital form from EIA/CEA-861-D–compliant [1] consumer electronic devices (such as a set-top box or DVD player with HDMI or DVI output).

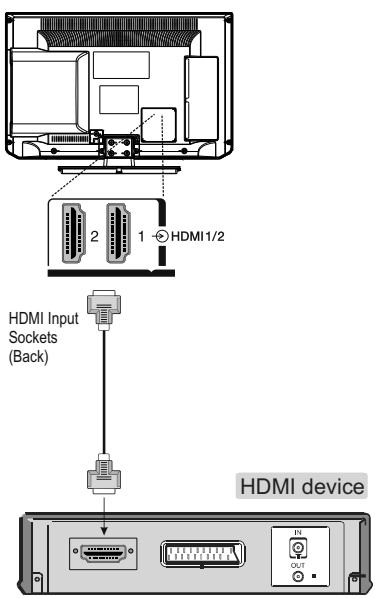
NOTE:

- Some early HDMI equipment may not work properly with your latest HDMI TV.
- Supported Audio format: Linear PCM, sampling rate 32/44.1/48kHz.

To Connect an HDMI Device

Connect an HDMI cable (type A connector) to the HDMI terminal. For proper operation, it is recommended that you use an HDMI cable with the HDMI Logo (HDMI).

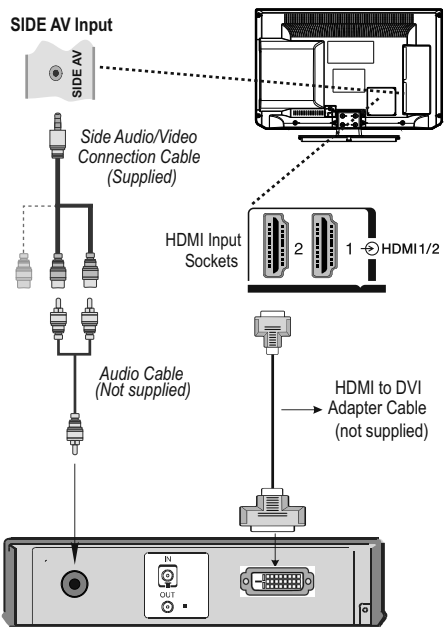
- If your HDMI connection is capable of 1080p and/or your TV is capable of refresh rates greater than 50Hz, you will need a Category 2 cable. Conventional HDMI/DVI cable may not work properly with this mode.
- HDMI cable transfers both video and audio. Separate analogue audio cables are not required (see illustration).
- To view the HDMI device video, press ⊕ button to select HDMI1 or HDMI2.



To Connect a DVI Device

Connect an HDMI-to-DVI adaptor cable (HDMI type A connector) to the HDMI input socket and audio cables to the SIDE AV socket, using the supplied Side AV connection cable's RED and WHITE inputs (see illustration).

- The recommended HDMI-to-DVI adaptor cable length is 6.6 ft (2m).
- An HDMI-to-DVI adaptor cable transfers video only. Separate analogue audio cables are required.



NOTE:

To ensure that the HDMI or DVI device is reset properly, it is recommended that you follow these procedures:

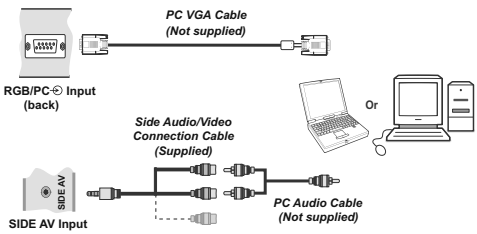
- When turning on your electronic components, turn on the TV first, and then the HDMI or DVI device.
- When turning off your electronic components, turn off the HDMI or DVI device first, and then the TV.

Connecting a Computer

To Connect a Computer

With either an RGB/PC or an HDMI connection, you can watch your computer's display on the TV and hear the sound from the TV's speakers.

When connecting a PC to the RGB/PC ⊕ input on TV, use an analogue RGB (15-pin) computer cable and use the SIDE AV socket with a PC audio cable (not supplied) for audio connection, using the supplied Side AV connection cable's RED and WHITE inputs (see illustration).



To use a PC, set the monitor output resolution on the PC before connecting it to the TV. To display the optimum picture, use the PC setting feature.

NOTE:

- Some PC models cannot be connected to this TV. An adaptor is not needed for computers with a compatible mini D-sub15-pin terminal.
- Depending on the DVD's title and the specifications of the PC on which you are playing the DVD-Video, some scenes may be skipped or you may not be able to pause during multiangle scenes.

Connecting a USB Memory

Connect a USB Memory

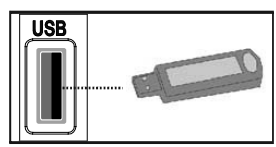
- You can connect a USB memory to your TV by using the USB input of the TV. This feature allows you to display/play music, photo or video files stored in a USB memory.
- It is possible that certain types of USB devices (e.g. MP3 Players) may not be compatible with this TV.
- You may back up your files before making any connections to the TV set in order to avoid any possible data loss. Note that manufacturer will not be responsible for any file damage or data loss.
- Do not pull out USB memory while playing a file.

***CAUTION**: Quickly plugging and unplugging USB devices, is a very hazardous operation. Especially, do not repeatedly quickly plug and unplug the drive. This may cause physical damage to the USB player and especially the USB device itself.*

USB Memory Connection

- Plug your USB memory to the USB input of the TV.

SIDE VIEW



USB memory

Power Save Mode

Environmental Information

- This television is designed to consume less energy to save environment.
- You not only help to save the environment but also can save money by reducing electricity bills, thanks to the energy efficiency feature of this TV. To reduce energy consumption, you should take the following steps:
- You can use Power Save Mode setting, located on page 24. If you set Power Save Mode as On, the TV will switch to energy-saving mode and luminance level of TV set will be decreased to optimum level. Note that some picture settings will be unavailable to be changed when the TV is in Power Save Mode.

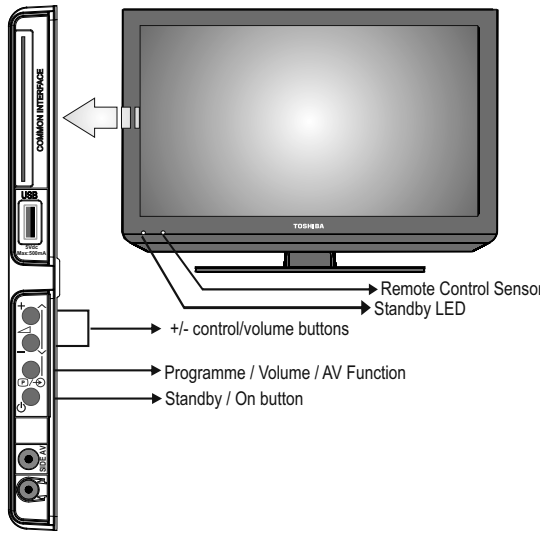
- When the TV is not in use, please switch off or disconnect the TV from the mains plug. This will also reduce energy consumption.
- Disconnect power when going away for longer time.
- Note that annually, using the TV set in Power Save Mode has more power efficiency than disconnecting the TV from the mains plug instead of keeping stand-by mode. Therefore it is highly recommended to activate Power Save Mode setting to reduce your annual power consumption. And also it is recommended to disconnect the TV from the mains plug to save energy more when you do not use.
- Please helps us to save environment by following these steps.
- This television is designed to consume less energy.
- Harmful substances and contents that are dangerous to health, are eliminated in its design.
- This product is designed to endure longer and it is subject to recycling at the end of its service life.
- When the TV reaches the end of its service life, dispose the product in accordance with the proper recycling process as explained on ***page 33***.

Repair Information

Please refer all servicing to qualified personnel. Only qualified personnel must repair the TV. Please contact your local dealer, where you have purchased this TV for further information.

Controlling the TV

A wide variety of external equipment can be connected via the sockets located on the side and back of the TV. *Whilst all the necessary adjustments and controls for the TV are made using the remote control, the buttons on the left side of the TV may be used for some functions.*



Switching on

If the standby LED is unlit, check that the mains plug is connected to the power and press ⏻ button on the left side of the TV to switch the television on. Then the LED lights up in green. If the picture does not appear, press ⏻ button on the remote control; it may take a few moments.

To put the television into Standby, press ⏻ button on the remote control. To view the television, press ⏻ button again. The picture may take a few seconds to appear.

***Note**: The active Standby LED may appear for a few moments when the TV is switched off.*

For energy saving:

Turning the TV off at its mains supply, or un-plugging it, will cut energy use to nearly zero for all TV's. This is recommended when the TV is not being used for a long time, e.g. when on holiday.

Reducing the brightness of the screen will reduce energy use. Energy efficiency cuts energy consumption and thus saves money by reducing electricity bills.

***NOTE**: Putting the TV into standby mode, will reduce energy consumption, but will still draw some power.*

Using the Remote Control

Press **MENU** button on the remote control to see the menus.

The main menu appears as a group of icons each for a menu option. Press **Left** or **Right** button to select a topic, and press **OK** button.

In sub menu screen mode the menu appears as a list. Press **Up** or **Down** button to select a topic, and press **OK** button.

To use the options press **Up** or **Down** button on the remote control to move up and down through them and **OK** button, **Left** or **Right** button to select the required choice. Follow the on screen instructions. The functions of each menu are described in the manual.

Using the Controls and Connections on the TV

Using the control buttons on the side of the TV:

- To alter the volume press ◿+ or +◿ button. If the volume does not change, press Ⓟ/⊕ button twice and press ◿+ or +◿ button again.
- To alter the programme position press Ⓟ/⊕ button once and then press ∧ or ∨ button.
- To select an external input, press and hold Ⓟ/⊕ button until "Sources list" is displayed. To select an external input, press Ⓟ/⊕ button repeatedly until the appropriate input source is selected.

***NOTE**: The USB socket has limited functionality, and Toshiba can take no responsibility for damage to other connected equipment.*

Please always refer to the owner's manual of the equipment to be connected for full details.

Initial Installation

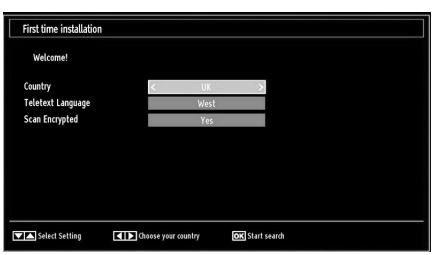
Before switching on the TV, put your decoder and media recorder to **Standby** if they are connected and ensure the aerial is connected to your TV. To set up the TV, use the buttons on the remote control as detailed on ***page 12***.

IMPORTANT: Ensure that the aerial or cable is connected and a Common Interface module is not inserted before switching on the TV for the first time installation.

1. Connect the mains plug and switch the TV to on using the side standby switch. If the TV does not switch on, press any numbered or ⏻ button on the remote control, then the language selection menu will be displayed. This screen will appear the first time that the TV is switched on and each time the TV is reset.

First time installation
Welcome please select your language! English
Bienvenue ! Veuillez choisir une langue. Français
Wählen Sie bitte ihre Sprache aus! Deutsch
Selezionate la vostra lingua! Italiano
Bienvenido, seleccione un idioma Español
Hoş geldiniz, lütfen dil seçimini yapınız! Türkçe
Dobrodošli, izberite vaš jezik! Slovenski
Välkommen, välj ditt språk! Svenska
Üdvözöljük, kérjük válassza ki a nyelvet! Magyar
Bem-vindo, favor selecionar seu idioma Português
Tervetuloa, valitse kielesi! Suomi
Select Language
OK Set language

2. By pressing **Up** or **Down** button, highlight the language you want to set and press **OK** button. The following message will be displayed next:



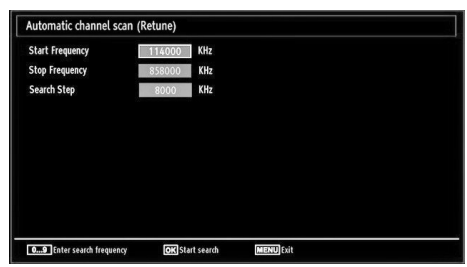
3. By pressing **Left** or **Right** button, select the **country** you want to set and press **Down** button to highlight **Teletext Language** option. Use **Left** or **Right** button to select desired Teletext Language.

4. Press **Down** button after setting Teletext Language option. **Scan Encrypted** will be then highlighted. You can set **Scan Encrypted** as **Yes** if you want to scan coded stations.

5. Press **OK** button on the remote control to continue and the following message will be displayed on the screen:

6. Select **Yes** button by using **Left** or **Right** button and press **OK** button to continue. Afterwards, the following OSD will be displayed on the screen:

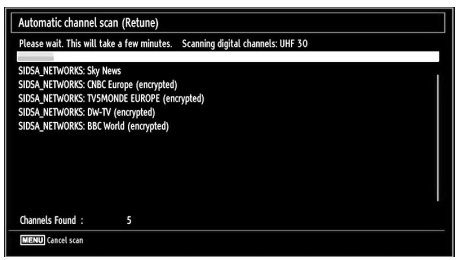
7. If you select **Cable** option, the following screen will be displayed:



8. You can select frequency ranges from this screen. For highlighting lines you see, use **Up** or **Down** button. You can enter the frequency range manually by using the numeric buttons on the remote control. Set Start and Stop Frequency as desired by using numeric buttons on the remote control. After this operation, you can set Search Step as 8000 kHz or 1000 kHz. If you select 1000 kHz, the TV will perform search process in a detailed way. Searching duration will thus increase accordingly. When finished, press **OK** button to start automatic search.

9. If you select **Aerial** option from the Search Type screen, the television will search for broadcasts.

10. The Auto tuning screen will appear and the television will start to search for available stations. The progress bar will move along the line. You must allow the television to complete the search. The following OSD will be displayed on the screen and the television will search for digital and analogue TV broadcasts:


Automatic channel scan (Retune)
Please wait. This will take a few minutes. Scanning digital channels: UHF 30
SIDSA_NETWORKS: Sky News
SIDSA_NETWORKS: CNBC Europe (encrypted)
SIDSA_NETWORKS: TVSMONDE EUROPE (encrypted)
SIDSA_NETWORKS: DW-TV (encrypted)
SIDSA_NETWORKS: BBC World (encrypted)
Channels Found : 5
MENU Cancel scan

Note*: *You can press ***MENU button to cancel.***

• After the available stations are stored, Channel List will be displayed on the screen. If you like the sort channels, according to the LCN, please select **Yes** and then press **OK** button (if available).

• Press **OK** button to quit channel list and watch TV.

***Note*:**

Do not turn off the TV while initializing first time installation.

Stereo and Bilingual Transmissions

If stereo or dual language broadcasts are transmitted, the word Stereo or Dual will appear on the screen each time positions are changed, disappearing after a few seconds. If the broadcast is not in stereo, the word Mono will appear.

Stereo… Press I/II to select Stereo or Mono.

Bilingual… Bilingual transmissions are rare. If they are transmitted, the word Dual will be displayed. Choose the required programme number, and if the word Dual appears, press I/II to select Dual 1, Dual 2 or Mono.

For DTV broadcasts

To view current language and for changing to an alternative language (if available), press AD button. Available options will be listed.

Displaying Subtitles

In digital broadcasts, this feature will show subtitles on the screen in the selected language provided they are being broadcast.

• Press **SUBTITLE** button to activate available subtitles. Press **SUBTITLE** button again to turn off subtitles.

Viewing Main Menu

• Press **MENU** button on the remote control to view main menu.

Controlling Volume and Muting Sound

Volume

Press + or − button to adjust the volume.

Sound Mute

Press "" button once to turn the sound off and again to cancel.

Selecting Programme Positions

To select a programme position use the numeric buttons on the remote control. Programme positions can also be selected using P or P button.

Press i+ button to display the on-screen information i.e. programme position, stereo/mono signal and picture format.

General Operation

Viewing Channel List

The channel order may be changed to suit your personal preference.

- Select **Channel List** from the main menu and press **OK** button. The following menu will be displayed:

- Select **Edit Channel List** to manage all stored channels. Use **Up** or **Down** and **OK** buttons to select **Edit Channel List**.

- Press **Up** or **Down** button for selecting a channel. You can press P or P button to move page up or page down.
- To watch a specific channel, highlight it by using **Up** or **Down** button. Afterwards press **OK** button.
- Press **BLUE** button to view filtering options.
- Press **MENU** button to exit.

Viewing Info Banner

- Press i+ button. The information screen will appear giving details of the channel and programme currently being viewed.

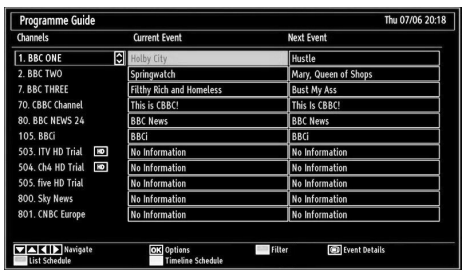
- Whenever you change channel, the TV displays the broadcast picture along with an information banner at the bottom of the screen (available only in DTV mode). This will remain on the screen for a few seconds.
- If the selected channel is locked, you must enter the correct four numeric code to view the channel. “Enter PIN” will be displayed on the screen in such a case:

- Enter the 4-digit PIN number to continue.

Electronic Programme Guide (EPG), Input Selection

Electronic Programme Guide

• Select the on-screen guide by pressing **GUIDE** button, the guide screen will appear highlighting details of the channel and programme currently being viewed. This may take a few moments to appear.



• For information on a highlighted programme, press i+ button.

• For details of other programmes currently available, press **navigation buttons** to scroll up and down or scroll left/right through the list. As channels are selected, details of the programme currently being broadcast will appear.

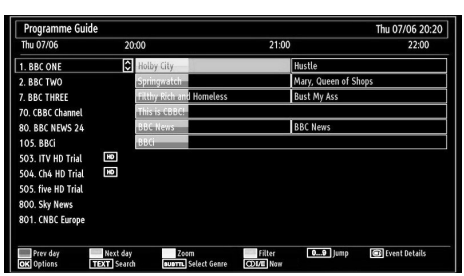
• To set the timer for a selected programme, press **OK** button to select Timers menu.

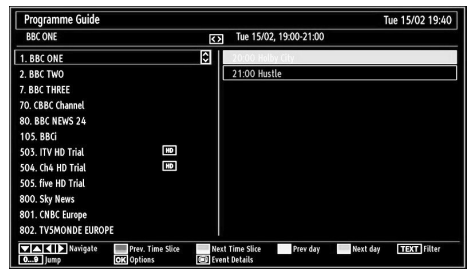
• Press **YELLOW** button to switch to timeline view.

• Press **GREEN** button to list the schedule.

• Press **BLUE** button to display filtering options.

Note: *There are alternative views of EPG screen. Button functions will be displayed at the bottom of the menu screen.*





Input Selection

Use the Input Selection window if the television does not switch over to a connected source automatically.

• Press ⊕ button on your remote control for directly changing sources. Use the **Up** or **Down** button to highlight an input and press **Right** button to select.

Features in Brief

Language Settings

Using this menu you can configure the preferred language settings. Press **MENU** button and select **Settings** by using **Left** or **Right** button. Press **OK** button to continue. Use **Up** or **Down** button to select **Language** settings and then press **OK** button to continue.

Menu Lock

In menu lock you can set locking for all menus, or the Installation Menu to restrict access to these menus.

If the menu lock is disabled, there will be free access to the menu system. Press **MENU** button and select **Settings** by using **Left** or **Right** button. Press **OK** button to continue. Use **Up** or **Down** button to select **Parental** and then press **OK** button to continue. Enter the pin number.

Maturity Lock (*)

When set, this option gets the maturity information from the broadcast and if this maturity level is disabled, disables access to the broadcast. Press **MENU** button and select **Settings** by using **Left** or **Right** button. Press **OK** button to continue. Use **Up** or **Down** button to select **Parental** and then press **OK** button to continue. Enter the pin number.

(*) Not available for UK.

Child Lock

Child Lock disables the buttons on the TV except ▶ / ❚❚ and ■ / ▲ buttons. All buttons on the remote control can still be used. Press **MENU** button and select **Settings** by using **Left** or **Right** button. Press **OK** button to continue. Use **Up** or **Down** button to select **Parental** and then press **OK** button to continue. Enter the pin number.

Picture Mode

This TV offers the choice of personalising the picture style. **Cinema**, **Game, Dynamic** and **Natural** are preset options and affect settings within the TV. Press **MENU** button and select **Picture** by using **Left** or **Right** button. Press **Up** or **Down** button to select **Mode**.

• In the **Picture Settings** menu, press **Up** or **Down** button to select **Mode**. Press **Left** or **Right** button to select the picture mode you prefer.

Contrast

Sets the lightness and darkness values of the screen. Press **MENU** button and select **Picture** by using **Left** or **Right** button. Press **Up** or **Down** button to select **Contrast**.

Brightness

Sets the brightness value for the screen. Press **MENU** button and select **Picture** by using **Left** or **Right** button. Press **Up** or **Down** button to select **Brightness**.

Sharpness

Sets the sharpness value for the objects displayed on the screen. Press **MENU** button and select **Picture** by using **Left** or **Right** button. Press **Up** or **Down** button to select **Sharpness**.

Colour

Sets the colour value, adjusting the colours. Press **MENU** button and select **Picture** by using **Left** or **Right** button. Press **Up** or **Down** button to select **Colour**.

Colour Shift

Adjust the desired colour tone. Press **MENU** button and select **Picture** by using **Left** or **Right** button. Press **Up** or **Down** button to select **Colour Shift**.

Colour Temp

Colour Temperature increases the 'warmth' or 'coolness' of the picture by increasing the red or blue tint. Press **MENU** button and select **Picture** by using **Left** or **Right** button. Press **Up** or **Down** button to select **Colour Temp**.

Noise Reduction

Sometimes some words or picture elements may become distorted or pixelated. Using the Noise Reduction feature reduces this effect by smoothing out the edges. Press **MENU** button and select **Picture** by using **Left** or **Right** button. Press **Up** or **Down** button to select **Noise Reduction**.

Picture Zoom

Sets the picture size to auto,16:9, subtitle,14:9, 14:9 zoom, 4:3, panoramic or cinema. Press **MENU** button and select **Picture** by using **Left** or **Right** button. Press **Up** or **Down** button to select **Picture Zoom**.

Reset

This feature allows you to reset the current Picture Settings to the default values. Press **MENU** button and select **Picture** by using **Left** or **Right** button. Press **Up** or **Down** button to select **Reset** and press **OK** button.

Note: The reset function does not reset the settings for Mode, Colour Temp, Noise Reduction, Picture Zoom and HDMI True Black.

PC Picture Settings (*)

(*) *While in VGA (PC) mode, some items in Picture menu will be unavailable. Instead, VGA mode settings will be added to the Picture Settings while in PC mode.*

You can optimize your TV's PC picture settings when using as a PC monitor. Select **PC picture** from the main menu by pressing **Left** or **Right** button.

Volume

Press **MENU** button and select **Sound** by using **Left** or **Right** button. Press **OK** button to continue.

Select **Volume** using **Up** or **Down** button and then use **Left** or **Right** button to set volume level.

Equalizer

You can customize current sound mode settings. Press **MENU** button and select **Sound** by using **Left** or **Right** button. Press **OK** button to continue.

Select **Equalizer** using **Up** or **Down** button and then use **Left** or **Right** button to set. Select the appropriate mode in accordance with the installation location of the TV and adjust the equalizer on-screen as desired. Press **OK** button to view equalizer sub-menu.

Balance

This setting is used for emphasizing left or right speaker balance.

Press **MENU** button and select **Sound** by using **Left** or **Right** button. Press **OK** button to continue. Select **Balance** using **Up** or **Down** buttons and press **Left** or **Right** button to set.

Headphone

This setting is used to set the sound output when headphones are connected. Press **MENU** button and select **Sound** by using **Left** or **Right** button. Press **OK** button to continue.

Select **Headphone** using **Up** or **Down** button and then use **Left** or **Right** button to set volume level.

AVL

Sometimes there can be large changes in volume when switching from a DTV 5.1ch to a DTV 2ch, an ATV channel, or an external input. Using the AVL feature reduces these volume differences.

Press **MENU** button and select **Sound** by using **Left** or **Right** button. Press **OK** button to continue. Select **AVL** using **Up** or **Down** buttons and press **Left** or **Right** button to set.

Dynamic Bass

Dynamic Bass is used to increase bass effect of the TV set.

Press **MENU** button and select **Sound** by using **Left** or **Right** button. Press **OK** button to continue. Select **Dynamic Bass** using **Up** or **Down** buttons and press **Left** or **Right** button to set.

Digital Out

This setting enables you to set **Digital Out** preference as **Compressed** or **PCM**. You should set this feaure in accordance with the received broadcast's content.

Press **MENU** button and select **Sound** by using **Left** or **Right** button. Press **OK** button to continue.

Select **Digital Out** using **Up** or **Down** button and then use **Left** or **Right** button.

Conditional Access

This setting controls conditional access modules when available. Select **Settings** from the main menu by using **Left** or **Right** button and press **OK** button. Afterwards, use **Up** or **Down** button to set **Conditional Access**. Press **OK** button to continue.

Parental

Configures parental settings.

Timers

Sets timers for selected programmes. Press **MENU** button and select **Settings** by using **Left** or **Right** button. Press **OK** button to continue. Use **Up** or **Down** button to select **Timers** and then press **OK** button to continue.

Date/Time Settings

You can configure date/time preferences by using this menu screen. Press **MENU** button and select **Settings** by using **Left** or **Right** button. Press **OK** button to continue. Use **Up** or **Down** button to select **Date/Time** and then press **OK** button to continue.

Sources

Enables or disables selected source options. Press **MENU** button and select **Settings** by using **Left** or **Right** button. Press **OK** button to continue. Use **Up** or **Down** button to select **Sources** and then press **OK** button to continue.

Other Settings

Displays other setting options of the TV set. Press **MENU** button and select **Settings** by using **Left** or **Right** button. Press **OK** button to continue. Use **Up** or **Down** button to select **Other Settings** and then press **OK** button to continue.

Menu Timeout

Press **MENU** button and select **Settings** by using **Left** or **Right** button. Press **OK** button to continue. Use **Up** or **Down** button to select **Other Settings** and then press **OK** button. Select **Menu Timeout** using **Up** or **Down** button and use **Left** or **Right** button to set a specific display timeout for menu screens.

Scan Encrypted

When this setting is on, search process will locate the encrypted channels as well. If it is set as No manually, encrypted channels will not be located while in automatic search or manual search. Scan Encrypted Channel feature will always be ON after performing first time installation. Press **MENU** button and select **Settings** by using **Left** or **Right** button. Press **OK** button to continue. Use **Up** or **Down** button to select **Other Settings** and then press **OK** button. Select **Scan Encrypted** using **Up** or **Down** button and use **Left** or **Right** button to set.

Backlight

This setting controls the backlight level. Press **MENU** button and select **Settings** by using **Left** or **Right** button. Press **OK** button to continue. Use **Up** or **Down** button to select **Other Settings** and then press **OK** button. Select **Backlight** using **Up** or **Down** button and use **Left** or **Right** button to set.

***Note: Backlight** adjustment is not available when Power Save Mode is switched **ON**. Please see page 16 of this manual for explanation.*

Power Save Mode

Press **MENU** button and select **Settings** by using **Left** or **Right** button. Press **OK** button to continue. Use **Up** or **Down** button to select **Other Settings** and then press **OK** button. Select **Power Save Mode** using **Up** or **Down** button and use **Left** or **Right** button to set. See the section, “Environmental Information” in this manual for further information on Power Save Mode.

Blue Background

If the signal is weak or absent, the TV will automatically change to a blue screen. To enable this, set Blue Background to On. Press **MENU** button and select **Settings** by using **Left** or **Right** button. Press **OK** button to continue. Use **Up** or **Down** button to select **Other Settings** and then press **OK** button. Select **Blue Background** using **Up** or **Down** button and use **Left** or **Right** button to set.

Software Upgrade

This feature helps to keep your TV updated. It works automatically and searches for new information when available. Note that this setting is inactive to be modified. Press **MENU** button and select **Settings** by using **Left** or **Right** button. Press **OK** button to continue. Use **Up** or **Down** button to select **Other Settings** and then press **OK** button. Select **Software Upgrade** using **Up** or **Down** button and use **OK** button to start update procedure.

Hard Of Hearing

If the broadcaster enables any special signal concerning the audio, you can set this setting as On to receive such signals. Press **MENU** button and select **Settings** by using **Left** or **Right** button. Press **OK** button to continue. Use **Up** or **Down** button to select **Other Settings** and then press **OK** button. Select **Hard Of Hearing** using **Up** or **Down** button and use **Left** or **Right** button to set.

Audio Description

Audio description refers to an additional narration track for blind and visually impaired viewers of visual media, including television and movies. The description narrator talks through the presentation, describing what is happening on the screen during the natural pauses in the audio (and sometimes during dialogue, if deemed necessary). You can use this feature, only if the broadcaster supports that additional narration track. Press **MENU** button and select **Settings** by using **Left** or **Right** button. Press **OK** button to continue. Use **Up** or **Down** button to select **Other Settings** and then press **OK** button. Select **Audio Description** using **Up** or **Down** button. Press **OK** button to enter Audio Description submenu for setting.

Auto TV Off

You can set the timeout value of auto off feature. After the timeout value is reached and the TV is not operated for selected time, the TV will go off. Press **MENU** button and select **Settings** by using **Left** or **Right** button. Press **OK** button to continue. Use **Up**

or **Down** button to select **Other Settings** and then press **OK** button. Select **Auto TV Off** using **Up** or **Down** button.

Broadcast Type

Press **MENU** button and select **Settings** by using **Left** or **Right** button. Press **OK** button to continue. Use **Up** or **Down** button to select **Other Settings** and then press **OK** button. Select **Broadcast Type** using **Up** or **Down** button and use **Left** or **Right** button to set.

When you set the desired broadcast type by using **Left** or **Right** button, the TV will display the selected broadcast type.

Standby Search (*)

(*) This setting is visible only when the Country option is set to Denmark, Sweden, Norway or Finland.

If the Standby Search is set to On and the TV is in standby mode, the TV will look for any changes in the saved channels. Press **MENU** button and select **Settings** by using **Left** or **Right** button. Press **OK** button to continue. Use **Up** or **Down** button to select **Other Settings** and then press **OK** button. Select **Standby Search** using **Up** or **Down** button and use **Left** or **Right** button to set.

Full Mode (optional)

If you connect a device via HDMI or YPbPr connectors and set 1080i/1080p resolutions, Full Mode item will be visible.

Teletext language

Use this setting to set a preferred Teletext language. Press **MENU** button and select **Settings** by using **Left** or **Right** button. Press **OK** button to continue. Use **Up** or **Down** button to select **Language** and then press **OK** button. Select **Teletext** language using **Up** or **Down** button and use **Left** or **Right** button to set.

HDMI True Black

While watching from HDMI source, this feature will be visible in the Picture Settings menu.

You can use this feature to enhance blackness in the picture. You can set this feature as “On” for activating HDMI True Black mode. Press **MENU** button and select **Picture** by using **Left** or **Right** button. Press **OK** button to continue. Select **HDMI True Black** using **Up** or **Down** button and use **Left** or **Right** button to set.

***Note:** HDMI True Black On/Off feature functions only when the HDMI device output is set to RGB.*

USB Media Browser

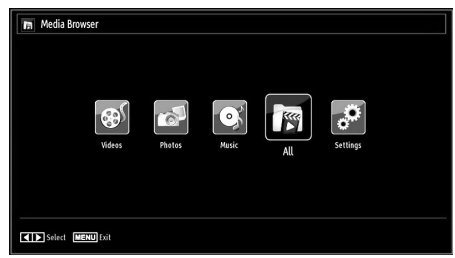
This TV allows you to enjoy photo, video or music files stored on a USB memory.

Manual Start

- To display Media Browser window, you can press **MENU** button on the remote control and then select **Media Browser** by pressing **Left** or **Right** button.
- Press **OK** button to continue. Media Browser menu contents (depending on the contents of your USB memory) will be displayed.

Auto Start

- When you plug a USB memory, the following menu will be displayed.



- You can play music, picture and video files from a USB memory.
- To display ALL files in a list, select SETTINGS tab and change View Style to Folder. Then go back to main media browser screen and you will see that now ALL tab will be available. Select ALL tab and press **OK** button.

***Note**:*

Some USB compliant devices may not be supported.

If the USB memory is not recognized after power off/on or First Time Installation, plug the USB memory out and power off/on the TV set. Then plug the USB memory in again.

- Do not use a USB Hub.
- You must obtain any required permission from copyright owners to use copyright content.

Toshiba cannot and does not grant such permission.

- Depending on the file size and amount in your USB memory, it may take some time for loading to view. A message will display on-screen when loading files from the USB memory.
- Only limited types of U3 USB device are supported. Therefore, it is suggested not to use U3 USB for playing Media Player.

USB Media Browser - continued

This TV allows you to enjoy photo, video or music files stored on a USB memory.

• Non-supported characters will be replaced with a square (□).

Playing MP3 Files

To play mp3 files from a USB memory, you can use this menu screen.

*When you select **Music** from Media Browser, available music files will be filtered and listed on this screen.*

If you select View Style as Folder from the Media Browser Settings menu, you can display files in accordance with the folder path. However, only the selected file types will be visible.

• Use **Up** or **Down** button to highlight a file.

• **0..9 (Numeric buttons):** The TV will jump to the file starting with the letter you input via the numeric buttons on your remote control.

• Use ■ button to stop playback.

• Press ▶ button to play all media files in the folder starting with the selected one.

• Press ❚❚ button to pause a playing file.

• Use **GREEN** button to play the selected file repeatedly or in shuffle mode.

• Press **RED** button to sort files by Title, Artist or Album.

• Press **OK** button to play the selected file.

• Press **YELLOW** button to change viewing style.

• Press **BLUE** button to change the media type.

Viewing JPEG Files

*To view photo files from a USB memory, you can use this menu screen. When you select **Photos** from Media Browser, available image files will be filtered and listed on this screen.*

If you select View Style as Folder from the Media Browser Settings menu, you can display files in accordance with the folder path. However, only the selected file types will be visible.

• Use **Numeric Buttons** to jump to the previous or next file. Press **OK** button to play.

• Press **OK** button to view the selected picture in full screen.

Press ▶ button to start a slideshow.

Press **RED** button to sort files by date.

Press **GREEN** button to view thumbnails.

Press **YELLOW** button to change the viewing style.

Press **BLUE** button to change media type.

Slideshow Feature

You can use this feature to display photos on your TV.

• Press ▶ button to continue with the slideshow.

• Press ❚❚ button to pause a playing file.

• Press **BLUE** button to activate loop/shuffle mode.

• Press **Left** or **Right** button to jump to previous or next file of slideshow.

• Use **Up** or **Down** button to rotate the picture.

(Then it will become paused mode.)

• Press i+ button to activate the operations bar.

• Press **RETURN** button to go back.

Video Playback

*When you select **Videos** from Media Browser, available video files will be filtered and listed on this screen. You can use **Up** or **Down** button to select a video file and press **OK** button to play a video.*

USB Media Browser - continued

This TV allows you to enjoy photo, video or music files stored on a USB memory.

.

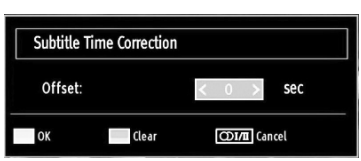
Note: *If you set* ***View Style*** *from* ***Media Browser Settings*** *menu as '****Folder****', media browser main selection screen will include* ***ALL*** *tab as well.*

Subtitle Selection: If you select a subtitle file and press **OK** button, you can select or deselect that subtitle file. You can turn the subtitle on or off by using the SUBTITLE button.

- Use **Up** or **Down** button to highlight a file.
- Press **OK** button to start the video playback and play the selected file. Press ▶ button to play all.

The following menu will be displayed while playing a video file:

- Press ■ button to stop the video playback.
- Press ❚❚ button to pause the video playback.
- Press ◀◀ button to go backward.
- Press ▶▶ button to go forward.
- Use **AD** button to set subtitle/Audio.
- Use **GREEN** button to jump to a time.
- Use **YELLOW** button to open subtitle time correction menu.



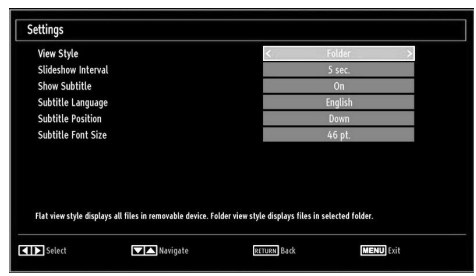
Note:

You can set subtitles by using ***OK*** *button before starting the playback or by using* ***AD*** *button during the playback. Selected subtitles may not be displayed correctly in some cases.*

In order to display movie subtitles correctly, you should set a "Movie Subtitle" language. You should display Language Settings menu for setting a Movie Subtitle languge. See the section, "Language Settings" on page 17 for displaying Language Settings menu.

- Press **RETURN** button to switch back to previous menu.

Media Browser Settings



You can set your Media Browser preferences by using the Settings dialogue. Press **Up** or **Down** button to highlight an item and use **Left** or **Right** button to set.

View Style: Sets default browsing mode.

Slideshow Interval: Sets slide show interval time.

Show Subtitle: Sets subtitle enabling preference.

Subtitle Language: Sets supported subtitle language.

Subtitle Position: Sets subtitle position as up or down.

Subtitle Font Size: Sets subtitle font size (max. 54pt).

To Close the Media Player

- Press **MENU** button on the remote control.

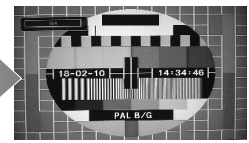
Changing Picture Format

Depending on the type of broadcast being transmitted, programmes can be viewed in a number of formats. Press **QUICK** button and select **Picture Zoom**. Press **OK** button repeatedly to select between **auto, 16:9, subtitle, 14:9, 14:9 zoom, 4:3, panoramic or cinema.** When **auto** is selected the format being displayed is determined by the picture being broadcast.

Note: *Using the special functions to change the size of the displayed image (i.e. changing the height/width ratio) for the purposes of public display or commercial gain may infringe on copyright laws.*

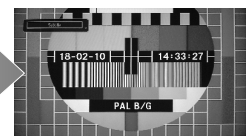
16:9

Use this setting when watching a widescreen DVD, widescreen video tape or a 16:9 broadcast (when available). Due to the range of widescreen formats (16:9, 14:9 etc.) black bars may be visible on the top and bottom of the screen.



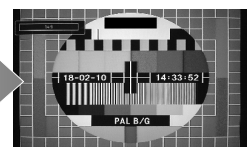
subtitle

When subtitles are included on a letterbox format broadcast, this setting will raise the picture to ensure that all the text is displayed.



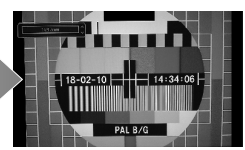
14:9

This zooms up the wide picture (14:9 aspect ratio) to the upper and lower limits of the screen



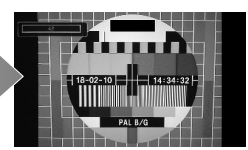
14:9 zoom

This option zooms to the 14:9 picture.



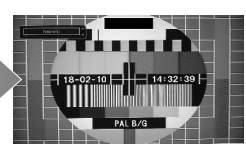
4:3

Use this setting to view a true 4:3 broadcast.



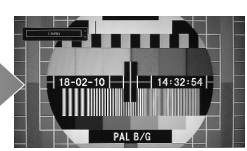
panoramic

This stretches the left and right sides of a normal picture (4:3 aspect ratio) to fill the screen, without making the picture appear unnatural. The top and bottom of the picture are slightly cut off.



cinema

This zooms up the wide picture (16:9 aspect ratio) to the full screen.



Appendix A: PC Input Typical Display Modes

The display has a maximum resolution of 1360 x 768. The following table is an illustration of some of the typical video display modes.

Your TV may not support different resolutions. Supported resolution modes are listed below.

If you switch your PC to an unsupported mode, a warning OSD will appear on the screen.

Index	Resolution	Frequency
1	640x400	70 Hz
2	640x480	60 Hz
3	640x480	75 Hz
4	800x600	60 Hz
5	800x600	75 Hz
6	1024x768	60 Hz
7	1024x768	70 Hz
8	1024x768	75 Hz
9	1152x864	75 Hz
10	1280x768	60 Hz
11	1280x1024	60 Hz
12	1360x768	60 Hz

Appendix B: AV and HDMI Signal Compatibility (Input Signal Types)

Source	Supported Signals		Available
EXT (SCART)	PAL 50/60		O
	NTSC 60		O
	RGB 50		O
	RGB 60		O
SIDE AV	PAL 50/60		O
	NTSC 60		O
YPbPr	480i	60Hz	O
	480p	60Hz	O
	576i	50Hz	O
	576p	50Hz	O
	720p	50Hz	O
	720p	60Hz	O
	1080i	50Hz	O
	1080i	60Hz	O
	1080p	50Hz	O
	1080p	60Hz	O
HDMI1 HDMI2	480i	60Hz	O
	480p	60Hz	O
	576i	50Hz	O
	576p	50Hz	O
	720p	50Hz	O
	720p	60Hz	O
	1080i	50Hz	O
	1080i	60Hz	O
	1080p	50Hz	O
	1080p	60Hz	O
	1080p	24Hz	O

(X: Not Available, O: Available)

***Note**: In some cases a signal on the LCD TV may not be displayed properly. The problem may be an inconsistency with standards from the source equipment (DVD, Set-top box, etc.). If you do experience such a problem please contact your dealer and also the manufacturer of the source equipment.*

Appendix C: Supported File Formats for USB Mode

Media	File Extension	Format		Remarks
		Video	Audio	(Maximum resolution/Bitrate etc.)
Movie	.mpg/ .dat/ .vob/ mkv	MPEG1	MPEG Layer 1/2/3	20Mbit/sec
		MPEG2	MPEG2	
		MPEG2-TS H.264-TS	EAC3/ AC3	20Mbit/sec
		MPEG4	PCM/MP3	
	.avi	MS ISO MPEG4	PCM/MP3	Support SP and ASP
		MJPEG	PCM	30fps@VGA
Music	.mp3	-	MPEG 1/2 Layer 1/ 2/ 3 (MP3)	Sample Rate: 8k ~ 48kHz, Bitrate: 128kbps~320kbps
Photo	.jpg	Baseline JPEG		WxH = 15360x8640
		Progressive JPEG		WxH = 1024x768

Appendix D: PIN Information

Before connecting any external equipment, turn off all main power switches. If there is no switch, remove the mains plug from the wall socket.

Signal information for Mini D-sub 15 pin connector

Pin No.	Signal name	Pin No.	Signal name	Pin No.	Signal name
1	R	**6**	Ground	**11**	NC
2	G	**7**	Ground	**12**	NC
3	B	**8**	Ground	**13**	H-sync
4	NC*	**9**	NC	**14**	V-sync
5	NC	**10**	Ground	**15**	NC

* NC = not connected

Specifications and Accessories

Broadcast Systems/Channels

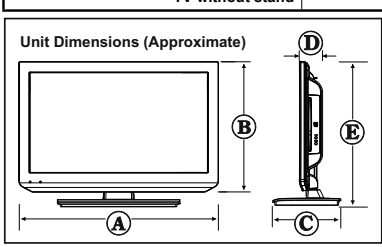
DVB-T, MPEG2, DVB-T, MPEG4 HD

DVB-C, MPEG2, DVB-C, MPEG4

Video Input		PAL, SECAM, NTSC 4.43	
Stereo	Nicam		
External Connections			
1-SCART 1	Input	21-pin SCART	RGB, A/V
2-YPbPr (via VGA)	Input	Mini D-Sub 15-Pin Analogue	
3-FAV	Input (Side)	FAV Cable Jack	Video + Audio L + R
4-HDMI 1/2	Input	Type A	
5-PC	Input	Mini D-Sub 15-Pin Analogue	RGB Signal
6-Digital Audio	Output	S/PDIF	(Coaxial)
USB Port	Media Browser Interface Version: USB 2.0		
	USB Class: Mass Storage		
	File System: FAT32		
Headphone Socket		3.5mm stereo	

Operating Conditions	Temperature 5°C - 35°C (41°F - 94°F)
	Humidity 20 - 80% (non-condensing)
Supplied Accessories	Remote Control
	2 batteries (AAA,IEC R03 1.5V)
	Side AV Connection Cable
	P Clip
	Four screws

		19DL833	22DL833
Visible Screen Size (approx.)		47cm / 19"	55cm / 22"
Display		16:9	16:9
Sound Output (at 10% distortion)		2 x 2,5	2 x 2,5
Annual Power Consumption (approx.)		24.2 kWh	40.4 kWh
Power Consumption Model (approx.)		40W	45W
Standby Power Consumption (approx.)		0.3 W	0.3 W
Power Save Mode On Power Consumption (approx.)		16.6 W	27.7 W
Weight	**TV with stand**	4.5 kg	5.0 kg
	Gross weigh	6.5 kg	7.5 kg
	TV without stand	3.9 kg	4.4 kg



	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
19DL833	462.1	302.0	168.2	54.0	339.1
22DL833	529.7	341.0	168.2	54.5	378.4

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- DVB is a registered trademark of the DVB Project.
- [1] EIA/CEA-861-D compliance covers the transmission of uncompressed digital video with high-bandwidth digital content protection, which is being standardized for reception of high-definition video signals. Because this is an evolving technology, it is possible that some devices may not operate properly with the television.
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MP3 licence letter
MPEG Layer-3 audio coding technology licensed from Fraunhofer LLS and Thomson.

AVC licence letter
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Cleaning the screen and cabinet...
Turn off the power, clean the screen and cabinet with a soft, dry cloth. We recommend that you do not use any proprietary polishes or solvents on the screen or cabinet as this maycause damage.

Disposal...

The following information is only for EU-member states:

Disposal of products
The crossed out wheeled dust bin symbol indicates that products must be collected and disposed of separately from household waste. Integrated batteries and accumulators can be disposed of with the product. They will be separated at the recycling centres.
The black bar indicates that the product was placed on the market after August 13, 2005.
By participating in separate collection of products and batteries, you will help to assure the proper disposal of products and batteries and thus help to prevent potential negative consequences for the environment and human health.
For more detailed information about the collection and recycling programmes available in your country, please contact your local city office or the shop where you purchased the product.

Disposal of batteries and/or accumulators
The crossed out wheeled dust bin symbol indicates that batteries and/or accumulators must be collected and disposed of separately from household waste.
If the battery or accumulator contains more than the specified values of lead (Pb), mercury (Hg), and/or cadmium (Cd) defined in the Battery Directive (2006/66/EC), then the chemical symbols for lead (Pb), mercury (Hg) and/or cadmium (Cd) will appear below the crossed out wheeled dust bin symbol.
By participating in separate collection of batteries, you will help to assure the proper disposal of products and batteries and thus help to prevent potential negative consequences for the environment and human health. For more detailed information about the collection and recycling programmes available in your country, please contact your local city office or the shop where you purchased the product.

In conformity with the EEE Regulation.

Questions and *Answers*

Q ***Why is there no sound or picture?***

A Check the TV is not in standby mode.
Check the mains plug and all mains connections.

Q ***Why is there a picture but no sound?***

A Check the volume has not been turned down or that sound mute has not been selected.

Q ***What can cause a poor picture?***

A Interference or a weak signal. Try a different TV station.

Q ***Why doesn't the video/DVD being played show on screen?***

A Make sure the VCR or DVD player is connected to the TV as illustrated in the beginning chapters, then select the correct input by pressing .

Q ***Why is the VCR/DVD picture in black and white?***

A Check the correct **input** has been chosen.

Q ***Why is there a good video picture but no sound?***

A Check the SCART lead connection.

Q ***Why doesn't the remote control work?***

A Check the batteries aren't dead or inserted incorrectly.

Q ***Why don't the controls of the TV work?***

A Check that **CHILD LOCK** is not selected.

Q ***Why is the sound only coming from one speaker when stereo sound is selected?***

A Check that the balance in the **SOUND** menu hasn't been set to one side.

Q ***Why are there problems with analogue text service?***

A Good performance of the analogue text depends on a good strong broadcast signal. This normally requires a roof or loft aerial. If the text is unreadable or garbled, check the aerial. Go to the *main index* page of the analogue text service and look for the *User Guide.*

Q ***What is DVB-T?***

A Digital Video Broadcast via an aerial/antenna.

Q ***How are radio channels selected?***

A You can select them via the Channel List.

Q ***What can be done if the PIN number has been forgotten?***

A You can reset TV and perform first time installation. Ensure that no-one else can use this by removing the Owner's Manual.

Q ***Why are there horizontal stripes and/or blurred images on the screen when in PC mode?***

A The Phase may need adjustment. Select PC Settings and highlight Phase and adjust until the picture is clear.

Questions and *Answers*

Q ***Why doesn't the Media Browser feature operate?***

A Make sure that USB memory is connected correctly. Incorrect behaviour may occur with a USB Hub connection.

Q ***Why is the digital channel locked?***

A Parental control is activated. Check parental settings.

Q ***Why are some encrypted digital channels unavailable?***

A Your subscription needs upgrading. Contact your service provider.

Q ***Why when digital subtitles have been selected are they not showing on screen?***

A Subtitles are not currently being transmitted by the broadcaster.

Q ***Why is the soundtrack in English when a different audio language has been selected?***

A The programme is currently being broadcast with an English soundtrack only.

Q ***Why dees the active standby LED sometimes take longer to go out?***

A When put into standby the TV's active standby will automatically search all available channels for downloads, provided Automatic Download is enabled. The time it takes to do this may vary.

EU Conformity Statement

CE

"This product is marked with "CE" and complies therefore with the applicable harmonized European standards listed under the Low Voltage Directive 2006/95/EC and the EMC Directive 2004/108/EC."

Responsible for CE-marking is TOSHIBA INFORMATION SYSTEMS (U.K.) LTD,
Toshiba Court, Weybridge Business Park, Addlestone Road, Weybridge,
Surrey, KT15 2UL, United Kingdom

Contents

Features 36
General Properties 36
Safety Information 37
Notes on Discs 37
On handling discs 37
On cleaning 37
Notes on moisture condensation 37
Licence Notification 38
How to Watch a DVD 38
DVD Control Panel Buttons 39
Overview of the Remote Control 39
General Operation 40
General Playback 41
Basic Play 41
For your reference: 41
Notes on Playback 41
Setup Menu Items 41
Video Setup Page 41
Tv Type 41
DivX(R) VOD 41
Language Setup Page 41
Osd Lang 41
Audio 41
Disc Menu 41
Subtitle 41
Preference Setup Page 42
Default 42
Downmix 42
Parental (Parental Level) 42
Password (Change Password): 42
Spdif Output 42
Troubleshooting 42
The picture quality is poor (DVD) 42
Disc does not play 42
Wrong OSD language 42
The language for the sound or subtitles on a DVD cannot be changed 42
Some functions (Angle, Zoom, etc.) do not work 43
No picture 43
No sound 43
Distorted sound 43
No response from remote control 43
If nothing works 43
Definition of Terms 43
Disc Types Compatible with This Unit 44
Supported File Formats 45
Specifications 45

Features

General Properties

- DVD / CD / CD-R / CD-RW / MP3 / JPEG / MPEG / DivX® playback.
- NTSC/PAL playback (according to disc content)
- LPCM audio via coaxial digital audio output. (optional)
- Multi-Audio (up to 8) support (According to disc content)
- Multi-Subtitle (up to 32) support (According to disc content)
- Multi-Angle (up to 9) support (According to disc content)
- 8 level parental control
- Fast forward and rewind in 5 different speeds. (2x, 4x, 8x, 16x, 32x)
- Slow motion playback in 4 different speeds. (1/2x, 1/4x, 1/8x, 1/16x forward)
- Frame by frame forward playback.
- Search Mode
- Repeat
- Coaxial audio output (optional)
- Copied discs may be incompatible.

Note

- This product may not support some MP3 recordings due to differences in recording formats or disc type.
- Please read the owner's manual about MP3 playback.
- CD-R/CD-RW discs recorded by CD-DA method can be played. Some CD-R/CD-RW discs may be incompatible due to laser pick-up and disc design.
- DVD-R/RW discs recorded by DVD-Video method can be played. Some DVD-R/RW discs may be incompatible due to laser pick-up and disc design.
- Some discs may be incompatible with JPEG Viewer function due to different recording format or condition of the discs.

Safety Information

CAUTION

DVD Player is a class 1 laser product. However this product uses a visible laser beam which could cause hazardous radiation exposure. Be sure to operate the player correctly as instructed.

CLASS 1
LASER PRODUCT

RISK OF ELECTRIC SHOCK

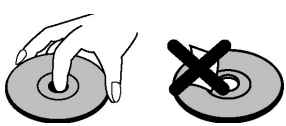
The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to people.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Notes on Discs

On handling discs

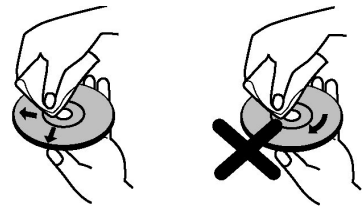
- To keep the disc clean, handle the disc by its edge. Do not touch the surface.
- Do not stick paper or tape on the disc.
- If the disc is contaminated with any substance like glue remove before using it.



- Do not expose the disc to direct sunlight or heat sources such as hot air ducts, or leave it in a car parked in direct sunlight as the temperature can rise quickly and damage the disc.
- After playing, store the disc in its case.

On cleaning

- Before playing, clean the disc with a cleaning cloth. Wipe the disc from the center out.



- Do not use solvents such as benzine, thinner, commercially available cleaners or anti-static spray intended for vinyl LPs.

Notes on moisture condensation

Moisture condensation damages the DVD video player. Please read the following carefully.

Moisture condensation occurs, for example, when you pour a cold drink into a glass on a warm day. Drops of water form on the outside of the glass. In the same way, moisture may condense on the optical pick-up lens inside this unit, one of the most crucial internal parts of the DVD video player.

Moisture condensation occurs during the following cases:

- When you bring the unit directly from a cold place to a warm place.
- When you use the unit in a room where you just turned on the heater, or a place where the cold wind from the air conditioner directly hits the unit.
- In summer, when you use the unit in a hot and humid place just after you move the unit from an air conditioned room.
- When you use the unit in a humid place.

Do not use the unit when moisture condensation may occur.

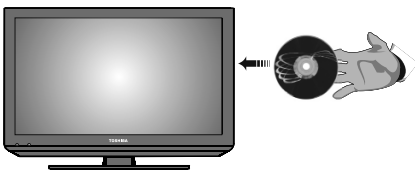
If you use the unit in such a situation, it may damage discs and internal parts. Remove the disc, connect the power cord of the unit to the wall outlet, turn on the unit, and leave it for two or three hours. After two or three hours, the unit will have warmed up and evaporated any moisture. Keep the unit connected to the wall outlet and moisture condensation will seldom occur.

Licence Notification

- This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Rovi Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Rovi Corporation. Reverse engineering and disassembly are prohibited.

How to Watch a DVD

When placing a disc into the loader, labelled side of the disc should be on the front:



When TV set is turned on, first switch to DVD source by using the ⊙ button on the remote control. Press ▶ on the remote control, or directly press ▶ button at the side panel. If there is no disc inside the loader, place a DVD first and then press ▶.

DVD Control Panel Buttons

A. Disc loader

B. ▶ / ❚❚

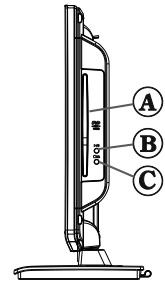
Plays/pauses the disc. When DVD menu (root menu) is active, this button functions as “button select” (selects the highlighted item in menu) if this is not prohibited by the disc.

C. ■ / ⏏

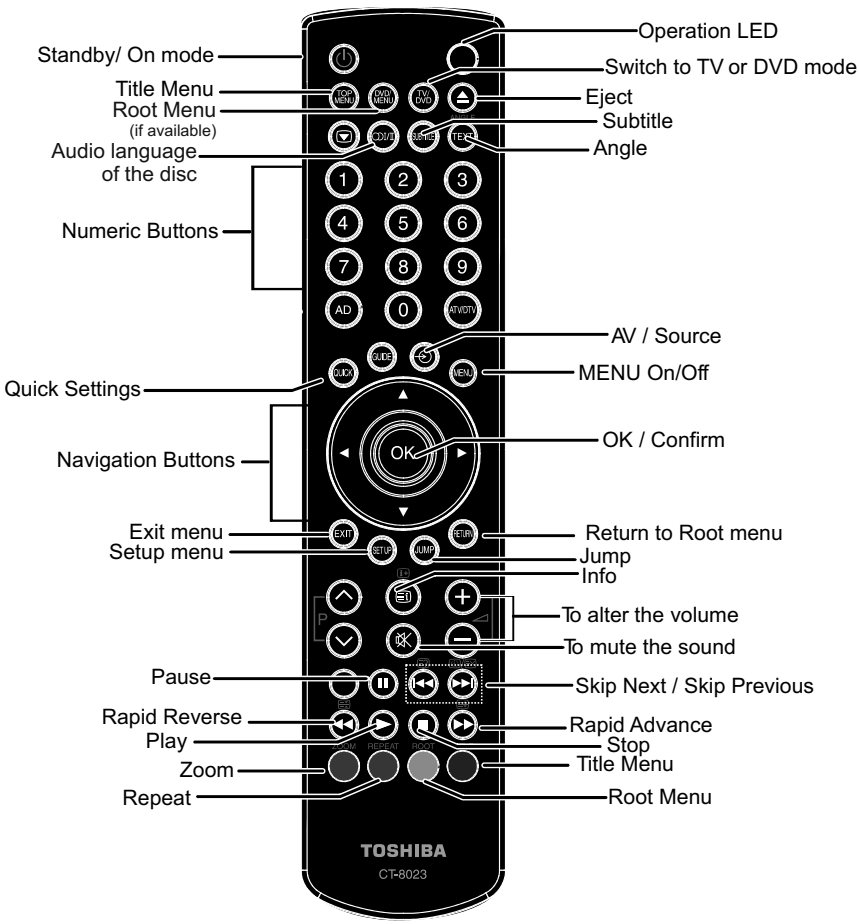
Stops playing disc / Ejects the disc.

Note:

• While playing a file, you should press ■ **/** ⏏ button three times to eject.



Overview of the Remote Control



Note: Buttons that are not indicated on the remote control illustration are not functional in DVD mode.

General Operation

You can operate DVD, movie CD, music or picture CD's content by using the proper buttons on your remote control. Below are main functions of commonly used remote control buttons.

Buttons on the Remote Control	DVD Playback	Movie Playback	Picture Playback	Music Playback
▶	Play	Play	Play	Play
⏸	Pause	Pause	Pause	Pause
■	Stop	Stop	Stop	Stop
⏮/ ⏭	Skip backward/forward	Skip backward/forward	Previous / Next	Previous / Next
◀/▶	Highlights a menu item. / Shifts the zoomed picture left or right (if available).			X
▼/▲	Highlights a menu item. / Shifts the zoomed picture up or down (if available).			
⏪/⏩	Rapid reverse / Rapid advance		X	Rapid reverse / Rapid advance
ANGLE	Views the scene from different angles (if available).	X	X	X
SETUP	Displays disc information / Displays DVD setup menu during stop mode.			
i	Displays disc information.			
I/II	Audio language	X	X	X
MENU	Displays main menu.			
OK	Enter / View / Play			
REPEAT	Displays repeat options.			
RETURN	Returns back to the previous menu (if available).			
ROOT	Goes back to the root folder (if available).			X
JUMP (*)	Direct selection of scenes, time or file (track) number.			
SUBTITLE	Subtitle on-off. Press repeatedly to switch between subtitle options (if available).		X	X
TITLE	Displays disc menu (if available).		X	X
ZOOM	Zooms picture. Press repeatedly to switch between zoom options.			X

Other Functions – Button Combinations (During playback)	
⏸ + ⏩	Slow forward.
[⏸ + ⏩] + ⏪ ⏩	Sets slow forward speed.
[⏸ + ⏪]	Sets slow reverse.
⏩ + ⏩	Sets rapid advance speed.
⏪ + ⏪	Sets rapid reverse speed.
■ + ■	Confirms stop command.
⏸ + ⏭	Press ⏭ repeatedly to advance manually.

(*) You can switch to title by pressing numeric keys directly. You need to press 0 and then digit key to switch one digit titles (example: to select 5, press 0 and 5).

General Playback

Basic Play

1. Press the ⏻ button.
2. Insert a disc to the loader.

The disc will be automatically loaded and play commences if the disc does not have any menus recorded on it.

A menu may appear on the TV screen after a few moments or the film may start immediately after the introduction of the Film Company. This behaviour depends on the disc content and may change.

***Note**: Steps 3 and 4 are available only when a menu is recorded on the disc.*

3. Press navigation buttons or the numeric button(s) to select the preferred title.
4. Press **OK** button.

Play of the selected items now starts.The played item may be a motion picture, a still picture or another submenu depending on the disc.

For your reference:

If an action corresponding to a button is prohibited, the "⊘" symbol will appear.

Notes on Playback

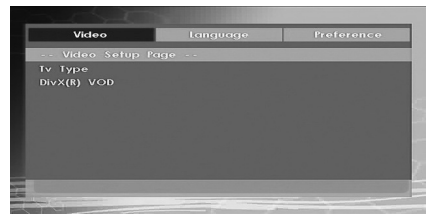
1. No sound will be heard during Rapid advance or Rapid reverse.
2. No sound will be heard during Slow motion play.
3. In some cases, the subtitle language is not changed immediately to the selected one.
4. When the preferred language is not selected even after pressing the button several times, it means that the language is not available on the disc.
5. When the player is restarted or the disc is changed, the subtitle selection is automatically changed back to the initial settings.
6. If a language is selected, not supported by the disc, the subtitle language will automatically be set to the disc's priority language.
7. Usually a circulation will happen while switching to another language, that is you can cancel the subtitle by pressing **SUBTITLE** button a number of times until "Subtitle Off" appears on the screen.
8. When the power is turned on or the disc is removed, the language heard is the one selected at the initial settings. If this language is not recorded on the disc, only the available language on the disc will be heard.
9. Some DVDs may not contain root and/or title menus.
10. Reverse stepping is not available.
11. For your convenience:

If you attempt to enter a number greater than the total time of the current title, the time search box disappears and "⊘ Input Invalid" message appears on up-left corner of screen.

12. Slide Show is disabled when the ZOOM mode is on.

Setup Menu Items

Video Setup Page



Tv Type

TV Type is only available as 'PAL'. The TV set also supports NTSC signal; however, the signal will be converted to PAL when it appears on the screen.

DivX(R) VOD

DivX® VOD provides the convenience of streaming video in terms of quality and performance.

Language Setup Page

Osd Lang

You can select the default OSD language of the player menus.

Audio

You can select the default audio language if supported by the DVD disc.

Disc Menu

You can select the DVD's disc menu language among these languages. Disc menu appears in the selected language, if supported by the DVD disc.

Subtitle

You can select the default subtitle language if supported by the DVD disc.

Preference Setup Page

Default

If you choose **Reset** and press **OK** button, the factory-presets are loaded. Parental level and parental password does not change.

Downmix

This mode can be selected when the DIGITAL AUDIO socket of the TV is used.

Surround: Surround sound output.

Stereo: Two channels stereo.

Parental (Parental Level)

Playing some DVDs can be limited depending on the age of users. The “Parental Control” function allows playback limitation level to be set by the parent.

Parental Level can be adjusted to one of the eight levels. Level “8 Adult” adjustment let you watch all of the DVD titles ignoring the DVD disc’s parental level. You can watch the DVD discs, which has the same or lower parental level than the player’s level only.

Password (Change Password):

Using this item you can change the current password.

To change the password you will be prompted to enter your old password. After you have entered your old password, you can now enter the new 4-digit password.

Note: Factory preset of the password is “0000”. You have to enter XXXX digital password every time you want to change the parental level. If you forget your password please contact technical service.

Spdif Output

You can set **Spdif Output** as **RAW** or **PCM**. If you select **PCM** from **Spdif Output** in DVD menu and play DVD with Dolby audio, you can get audio output with two channels via the speakers and the DIGITAL AUDIO socket. If you select **RAW** from **Spdif Output** in DVD menu and play DVD with Dolby audio, speakers will be muted and you can get 5+1 Dolby audio via the DIGITAL AUDIO socket.

Troubleshooting

The picture quality is poor (DVD)

- Make sure the DVD disc surface is not damaged. (Scratch, fingerprint, etc.)
- Clean the DVD disc and try again.

See instructions described in “Notes on Discs” to clean your disc properly.

- Ensure that the DVD disc is in the loader with the label facing front.
- A damp DVD disc or condensation may effect the equipment. Wait for 1 to 2 hours in Standby to dry the equipment.

Disc does not play

- No disc in the machine.

Place a disc into the loader.

- Disc incorrectly loaded.

Ensure that the DVD disc is in the loader with the label facing front.

- Wrong type of disc. The machine cannot play CD-ROMS etc.
- The region code of the DVD must match the player.

Wrong OSD language

- Select the language in the set-up menu.

The language for the sound or subtitles on a DVD cannot be changed

- Multilingual sound and/or subtitles not recorded on the DVD.
- Try to change the sound or subtitles using DVD’s title menu. Some DVD’s do not allow the user to change these settings without using the disc’s menu.

Some functions (Angle, Zoom, etc.) do not work

- These functions are not available on the DVD.
- Angle can only be changed when the angle symbol is displayed.

No picture

- Have you pressed the correct buttons on the remote control? Try once more.

No sound

- Check the volume is set to an audible level.
- Make sure you have not switched the sound off accidentally.

Distorted sound

- Check that the appropriate listening mode setting is correct.

No response from remote control

- Make sure the remote control is in the correct mode.
- Check batteries are fitted correctly.
- Change the batteries.

If nothing works

If you have tried the above solutions and none seem to work, try switching your TV off and on again. If this does not work, contact your supplier or TV repair technician. Never attempt to repair a defective TV yourself.

Definition of Terms

Angle

Recorded onto some DVD discs are scenes, which have been simultaneously shot from a number of different angles (the same scene is shot from the front, from the left side, from the right side, etc.). With such discs, the ANGLE button can be used to view the scene from different angles.

Chapter Number

These numbers are recorded on DVD discs. A title is subdivided into many sections, each of which are numbered, and specific parts of video presentations can be searched quickly using these numbers.

DVD

This refers to a high-density optical disc on which high-quality pictures and sound have been recorded by means of digital signals. Incorporating a new video compression technology (MPEG2) and high-density recording technology. DVD enables aesthetically pleasing full-motion video to be recorded over long periods of time (for instance, a whole movie can be recorded).

DVD has a structure consisting of two 0.6-mm thin discs, which are adhered to each other. Since the thinner the disc, the higher the density at which the information can be recorded, a DVD disc has a greater capacity than a single 1.2 mm thick disc. Since the two thin discs are adhered to each other, there is the potential to achieve double-sided play sometime in the future for even longer duration play.

Subtitles

These are printed lines appearing at the bottom of the screen, which translate or transcribe the dialogue. They are recorded on the DVD discs.

Time Number

This indicates the playtime, which has elapsed from the start of a disc or a title. It can be used to find a specific scene quickly. (Not all discs permit the time search feature to be used. Availability is determined by the disc's manufacturer.)

Title Number

These numbers are recorded on DVD discs. When a disc contains two or more movies, these movies are numbered as title 1, title 2, etc.

Track Number

These numbers are assigned to the tracks, which are recorded on Audio CDs. They enable specific tracks to be located quickly.

LPCM

LPCM stands for Linear Pulse Code Modulation and is digital audio.

MPEG

Short for Moving Picture Experts Group. This is an international standard for compression of moving images. On some DVDs digital audio has been compressed and recorded in this format.

DivX®

DivX® is a digital video compression technology based on MPEG4 and developed by DivX, Inc.

Disc Types Compatible with This Unit

Disc Types (Logos)	Recording Types	Disc Size	Characteristics
DVD	Audio + Video	12 cm	● DVD contains excellent sound and video due to Dolby Digital and MPEG2 System. ● Various screen and audio functions can be easily selected through the on screen menu.
		8 cm	
AUDIO-CD	Audio	12 cm	● An LP is recorded as an analog signal with more distortion. CD is recorded as a Digital Signal with better audio quality, less distortion and less deterioration of audio quality over time.
		8 cm	
MP3-CD	Audio (xxxx.mp3)	12 cm	● MP3 is recorded as a Digital Signal with better audio quality, less distortion and less deterioration of audio quality over time.
		8 cm	
PICTURE-CD	Video (still picture)	12 cm	● JPEG is recorded as a Digital Signal with better picture quality over time.
		8 cm	
DivX®	Audio + Video	12 cm	● Video & Audio with MPEG4 Compression technology.
		8 cm	

Supported File Formats

Media	File Extension	Format		Remarks
		Video	Audio	(Maximum resolution/Bitrate etc.)
Movie (optional)	.mpg/ .dat/ .vob	MPEG1	MPEG Layer 1/2/3	
		MPEG2	MPEG2	
	.avi	MPEG4	PCM/MP3	
		MS ISO MPEG4	PCM/MP3	Support SP and ASP
	DivX	MS ISO MPEG4	PCM/MP3	DivX 3.11, 4.x, 5.x, 6.0
Music	-	-	PCM	Sample Rate: 8k ~ 48kHz
	.mp3	-	MPEG 1/2 Layer 1/2/3 (MP3)	Sample Rate: 8k ~ 48kHz, Bitrate: 64k~320kbps
Photo	.jpg	Baseline JPEG		WxH = 8902x8902 up to 77Mega-pixel Support format: 444/ 440/ 422/ 420/ Grayscale
		Progressive JPEG		Up to 4 Mega-pixel Support format: 444/ 440/ 422/ 420/ Grayscale
External Subtitles (optional)	.srt			Support Text File Format, but do not support Picture File Format This unit can only display a maximum of 14 Subtitles.
	.smi			
	.sub			
	.ssa			
	.ass			

Note: It is not guaranteed that all DivX® formats are supported.

Specifications

Types of Discs Supported	**DVD:** SS/SL 12cm (DVD-5) SS/DL 12cm (DVD-9) DS/SL 12cm (DVD-10) DS/DL 12cm (DVD-18) **miniDVD:** SS/SL 8cm (1.4GB) SS/DL 8cm (2.66GB) DS/SL 8cm (2.8GB) DS/DL 8cm (5.2GB)	CD-DA CD-R CD-RW MP3/JPEG
Video Type	MPEG2 Video Standard Decoding (MPEG1 supported) Full-Screen Video Display of 720 x 576 (PAL) & 720 x 480 (NTSC) pixels 50 and 60 Hz frame refresh rates (PAL & NTSC) Digital bitstream processing rate up to 108Mbits/sec Line resolution more than 500 lines	
Audio Type	MPEG Multichannel Decoding LPCM	
Audio Output	**Analogue Outputs:** 24 bit /48, 44.1kHz down-sampling DAC	

If you wish to view the advanced functions but do not have access to a computer or the internet then please contact your nearest owner's manual Helpline number from the numbers shown below.

Country name locally	Contact Number
Österreich	01 97021 540
Belgique / Belgie	02 391 01 01
България	0294 21141
Hrvatska	01 653 9737
Κύπρος	22 872 111
Česká republika	323 204191
Danmark	80 88 93 38
Eesti Vabariik	69 97 800
Suomen tasavalta	0800 77 35 03
France	09 69 32 64 84
Deutschland	0431 24 89 45 50 (Ortstarif, abweichender Mobilfunktarif moglich)
Gibralter	200 76334
Ελληνική	210 9554298
Magyar Köztársaság	23 428 870
Ísland	00 45 80 88 93 38
Yisrā'el	03 953 5900
Italia	039 609 9301
Latvijas	00 372 69 97 800
Lietuvos	00 372 69 97 800
Luxembourg	00 32 2 391 01 01
Moldova	00380 443 511 317
Nederlanden	00 32 2 391 01 01
Norge	800 573 57
Polska	0 71 796 95 05
Portugal	707 265 265
Republic of Ireland	01 246 7780
România	021 3169 393
Россия	8 800 100 05 05
Slovensko	0042 323 204191
España	902 33 22 34
Sverige	0201 70 16 00
Schweiz / Suisse	0900 57 58 58 (CHF 1.49 / Min.)
Türkiye	0 212 340 6080
U.K.	0844 856 0730
Україна	8(044) 351 13 17

Please note the telephone number only applies to advanced owner's manual enquiries and not general operation of the TV.

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